



Selection Guide 2025

Small-Signal Discretes,
Power Discretes and
Analog & Logic ICs

nexperia



MORE EXPERTISE



Bipolar transistors



Diodes



ESD protection,
TVS, signal
conditioning



MOSFETs



SiC MOSFETs



GaN FETs



IGBTs

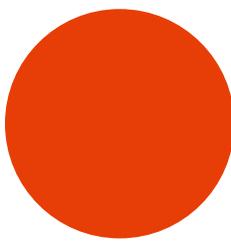


Analog & logic ICs

Every piece of electronics in the world can benefit from Nexperia efficiency. That's every design, from the simplest phone charger or light switch to the most complex hybrid automobile. Efficiency means we produce the world's most essential semiconductors, the finishing touches that empower electronic designs everywhere. That's all we do, **more or less.**



LESS COMPLEXITY



Introduction

Welcome to the 2025 edition of the Nexperia Selection Guide. Here we present all our Small-Signal Discretes, Power Discretes and Analog & Logic ICs in one single document to give you a complete overview. We aim to make it even easier for you to find the best product for your design.

Our extensive portfolio offers a wide range of general purpose devices and those that meet the stringent standards set by the automotive industry. They are housed in some of the most advanced, industry-leading small packages that combine power and thermal efficiency with best-in-class quality levels.

Alongside quality and efficiency, Nexperia customers value reliability and a consistent supply they can trust. We produce consistently reliable semiconductor components at high volume (Over 100 billion annually) and we work at every step to safeguard the long-term availability of our manufacturing processes and products, to ensure secure supply for all our customers.

We have a long history and broad experience. That ensures we can support you with the dedicated in-house technical support you need - from simplifying selection via quick-reference material to simple-to-use design tools and application insights. All to help drive up efficiency in your designs.

All the functionality you need in one spot

Just like on our website, you will find the Selection Guide is split into our six key product areas. There is also a dedicated section on packages, highlighting the latest package innovations and packing options.

Bipolar transistors

- › Resistor-equipped, low V_{CEsat} and small-signal transistors
- › Standard SMD, leadless and clip-bond packages

Diodes

- › Broad choice of Zener, Schottky and switching diodes
- › Ultra-small, low-profile surface-mount package options
- › SiC Schottky diodes in surface-mount and through hole package options

ESD protection, filtering and signal conditioning

- › Extensive range of protection in ultra-small form factors
- › Optimized for signal integrity, robustness and system protection

MOSFETs

- › Low $R_{DS(on)}$ devices from < 20 V to > 200 V
- › Industry-leading, high-quality, highly robust, copper-clip SMD packaging, LFPACK

SiC MOSFETs

- › High-performance 1200 V SiC MOSFETs for superior efficiency
- › Optimized for high-speed switching and reduced losses
- › Available in well-established 3-pin & 4-pin TO-247 package, 7-pin TO-263 package & top side cooling X.PAK package
- › Robust and reliable performance in demanding power applications

Power GaN FETs

- › Efficient and effective power FETs from 100 - 650 V
- › Cascode and e-mode configurations
- › Industry-standard TO-247, DFN, WLCSP and LGA packages
- › High-quality, highly robust copper-clip surface mount package technology, CCPAK

IGBTs

- › 650V portfolio for industrial applications
- › High power density & high ruggedness reliability
- › Industry-standard packaging (TO-247)
- › Low conduction & switching losses

Analog & logic ICs

- › Comprehensive portfolio of Logic, Translator and Analog switch functions
- › Expanding portfolio of I²C GPIO, Battery Booster and Energy Harvesting products
- › Unrivalled package innovation for various pin counts with low power solutions

Packages

- › The next generation of packaging for volume production
- › Package cross-reference and packing options

As an innovative company we are continually adding to our product portfolio, so to discover all our latest product information you should visit our website – www.nexperia.com

Our commitment: quality and reliability



AEC-Q100/Q101 qualified

We qualify our products according to the automotive AEC-Q100/Q101 standard and even exceed its requirements, for instance when doing extended lifetime testing.



Go for quality

All our processes and manufacturing plants are subject to regular international and internal audits, including the following:

- › ISO9001
- › IATF 16949 for automotive sites
- › ISO14001
- › OHSAS18001



Design for excellence

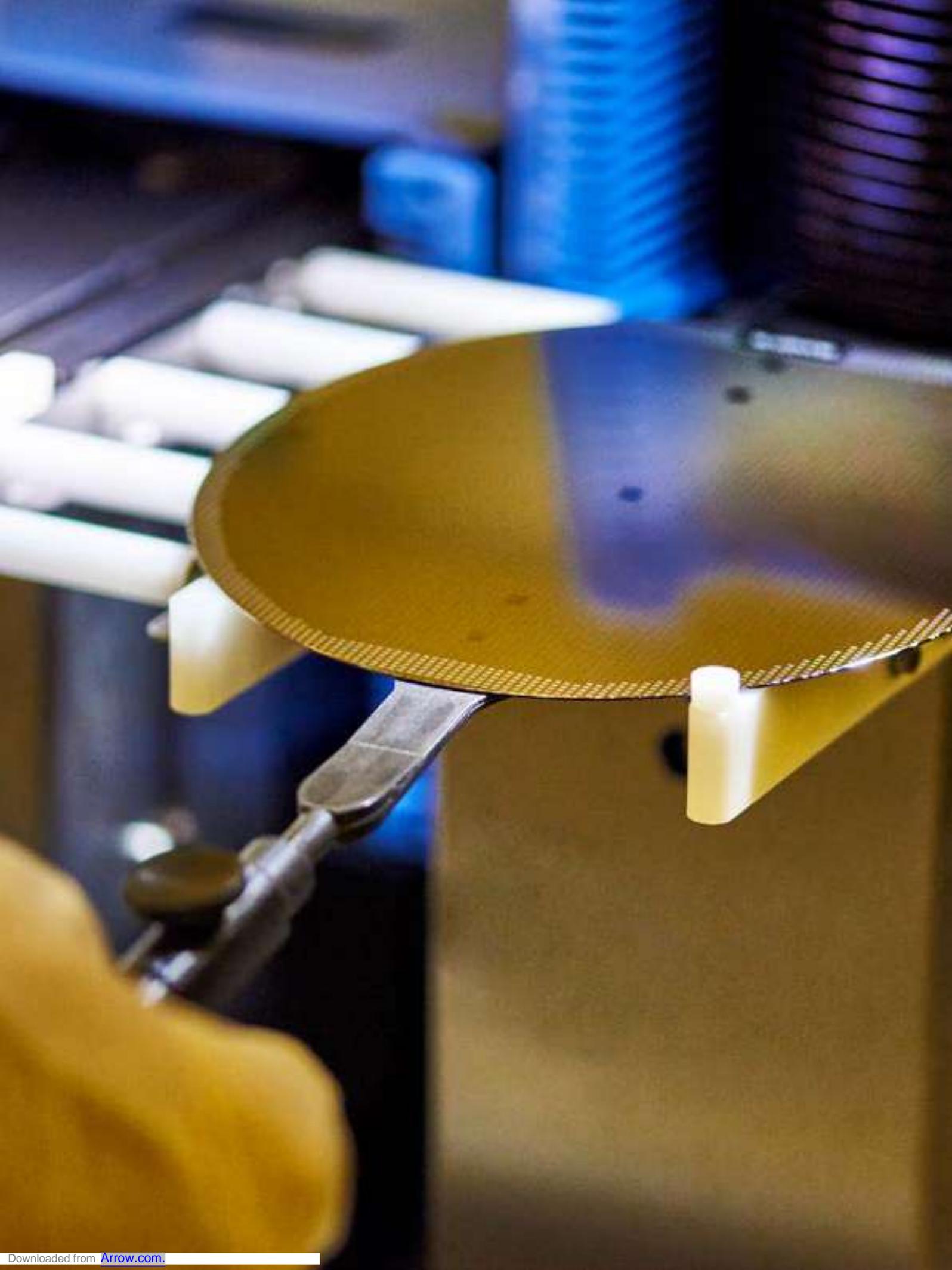
Nexperia's Design for Excellence (DfX) program ensures that each new development builds on past learning and that best practices are always employed. The result is continual product improvement.



Zero defects

Zero defects is our standard through the organisation. A rigorous 8-discipline approach and thorough 5-why analysis ensure strong improvements are constantly made to our products and processes.

Rigorous attention to detail and commitment to quality have yielded a very low product failure rate of a single-digit part per billion (ppb).



Selection Guide 2025

Small-Signal Discretes, Power Discretes and Analog & Logic ICs

Bipolar transistors

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New products

As an innovative company we invest significantly in R&D, and continually expand our portfolio with the latest generation of technology and products. Here is a snapshot of our most recent releases, but don't forget to visit the website for the most up-to-date information - www.nexperia.com

Bipolar transistors

| Category | Products | Description | Page |
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| General purpose bipolar transistors | PMBT2227AYS-Q | 40 V, 600 mA, NPN/PNP double switching transistor | 25 |
| | BCM847BSH-Q | 45 V, 100 mA NPN/NPN matched double transistor | 26 |
| | BC846SH-Q | 65 V, 100 mA NPN/NPN general-purpose double transistor | 26 |
| | BC847BSH-Q | 45 V, 100 mA NPN/NPN general-purpose double transistor | 26 |
| | BC846BSH-Q | 65 V, 100 mA NPN/NPN general-purpose double transistor | 26 |
| | BCM846BSH-Q | 65 V, 100 mA NPN/NPN matched double transistor | 26 |
| | BCM857BSH-Q | 45 V, 100 mA PNP/PNP matched double transistor | 26 |
| | BC856SH-Q | 65 V, 100 mA PNP/PNP general-purpose double transistor | 26 |
| | BC857BSH-Q | 45 V, 100 mA PNP/PNP general-purpose double transistor | 26 |
| | BC856BSH-Q | 65 V, 100 mA PNP/PNP general-purpose double transistor | 26 |
| | BCM856BSH-Q | 65 V, 100 mA PNP/PNP matched double transistor | 26 |
| | BC847BPNH-Q | 45 V, 100 mA NPN/PNP general-purpose double transistor | 26 |
| | BC846BPNH-Q | 65 V, 100 mA NPN/PNP general-purpose double transistor | 26 |
| | PUMD6H-Q | 50 V, 100 mA NPN/PNP Resistor-Equipped double Transistor; R1 = 4.7 kΩ, R2 = open | 26 |
| | PUMH7H-Q | 50 V, 100 mA NPN/NPN Resistor-Equipped double Transistor; R1 = 4.7 kΩ, R2 = open | 26 |
| | PUMB3H-Q | 50 V, 100 mA PNP/PNP Resistor-Equipped double Transistor; R1 = 4.7 kΩ, R2 = open | 26 |
| | BC56PAST(-Q) | 80 V, 1 A NPN medium power transistors | 26 |
| | BC56-10PAST(-Q) | 80 V, 1 A NPN medium power transistors | 26 |
| | BC56-16PAST(-Q) | 80 V, 1 A NPN medium power transistors | 26 |
| | BC53PAST(-Q) | 80 V, 1 A PNP medium power transistors | 26 |
| | BC53-10PAST(-Q) | 80 V, 1 A PNP medium power transistors | 26 |
| | BC53-16PAST(-Q) | 80 V, 1 A PNP medium power transistors | 26 |
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| | MJPE31CH(-Q)* | | 27 |
| | MJPE32C | | 27 |
| | MJPE32C-Q | | 27 |
| PMP3906AYS-Q | 40 V, 200 mA PNP/PNP matched double transistor | 30 | |
| Low V_{CEsat} transistors | PB554350PAS(-Q) | 50 V, 3 A NPN low V_{CEsat} transistor | 32 |
| | PB555250PAS(-Q) | 50 V, 2 A PNP low V_{CEsat} transistor | 34 |
| | PB555350PAS(-Q) | 50 V, 3 A PNP low V_{CEsat} transistor | 34 |
| Resistor equipped transistors (RETs) | PDTC123YQB(-Q) | 50 V, 100 mA, NPN RET; R1 = 2.2 kΩ, R2 = 10 kΩ in a small DFN1110D-3 (SOT8015) | 40 |
| | PDTA123YQB(-Q) | 50 V, 100 mA, PNP RET; R1 = 2.2 kΩ, R2 = 10 kΩ in a small DFN1110D-3 (SOT8015) | 41 |
| | PIMN31PAS-Q | 50 V, 500 mA, NPN/NPN double RET; R1 = 1 kΩ, R2 = 10 kΩ in a small DFN2020D-6 (SOT1118D) | 43 |
| | PIMC31PAS-Q | 50 V, 500 mA, NPN/PNP double RET; R1 = 1 kΩ, R2 = 10 kΩ in a small DFN2020D-6 (SOT1118D) | 43 |
| | PIMP31PAS-Q | 50 V, 500 mA, PNP/PNP double RET; R1 = 1 kΩ, R2 = 10 kΩ in a small DFN2020D-6 (SOT1118D) | 43 |
| | PIMN31PA | 50 V, 500 mA, NPN/NPN double RET; R1 = 1 kΩ, R2 = 10 kΩ in a small DFN2020-6 (SOT1118) | 43 |
| | PIMC31PA | 50 V, 500 mA, NPN/PNP double RET; R1 = 1 kΩ, R2 = 10 kΩ in a small DFN2020-6 (SOT1118) | 43 |
| | PIMP31PA | 50 V, 500 mA, PNP/PNP double RET; R1 = 1 kΩ, R2 = 10 kΩ in a small DFN2020-6 (SOT1118) | 43 |
| | PIMN32PAS-Q | 50 V, 500 mA, NPN/NPN double RET; R1 = 2.2 kΩ, R2 = 10 kΩ in a small DFN2020D-6 (SOT1118D) | 43 |
| | PIMC32PAS-Q | 50 V, 500 mA, NPN/PNP double RET; R1 = 2.2 kΩ, R2 = 10 kΩ in a small DFN2020D-6 (SOT1118D) | 43 |
| | PIMP32PAS-Q | 50 V, 500 mA, PNP/PNP double RET; R1 = 2.2 kΩ, R2 = 10 kΩ in a small DFN2020D-6 (SOT1118D) | 43 |
| | PIMN32PA | 50 V, 500 mA, NPN/NPN double RET; R1 = 2.2 kΩ, R2 = 10 kΩ in a small DFN2020-6 (SOT1118) | 43 |
| | PIMC32PA | 50 V, 500 mA, NPN/PNP double RET; R1 = 2.2 kΩ, R2 = 10 kΩ in a small DFN2020-6 (SOT1118) | 43 |
| | PIMP32PA | 50 V, 500 mA, PNP/PNP double RET; R1 = 2.2 kΩ, R2 = 10 kΩ in a small DFN2020-6 (SOT1118) | 43 |

Diodes

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| Zener diodes | HPZR-Q series | High power dissipation 5.5W Zener in CFP3 with Tj 175°C | 53 |
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| Switching diodes | BAS116LS (-Q) | Low-leakage 85V, 325mA switching diode | 58 |
| Recovery rectifiers | PNS40010AER (-Q) | 400 V, 1 A high power density, standard switching time recovery rectifier | 59 |
| | PNU650100EJ (-Q) | 650 V, 10 A Ultrafast recovery rectifier in D2PAK R2P | 59 |
| | PNE650100EJ (-Q) | 650 V, 10 A Hyperfast recovery rectifier in D2PAK R2P | 59 |
| | PNU650150EJ (-Q) | 650 V, 15 A Ultrafast recovery rectifier in D2PAK R2P | 59 |
| | PNE650150EJ (-Q) | 650 V, 15 A Hyperfast recovery rectifier in D2PAK R2P | 59 |
| | PNU650200EJ (-Q) | 650 V, 20 A Ultrafast recovery rectifier in D2PAK R2P | 59 |
| | PNE650200EJ (-Q) | 650 V, 20 A Hyperfast recovery rectifier in D2PAK R2P | 59 |
| | PNU650150AEJ (-Q) | 650 V, 15 A Ultrafast recovery rectifier in D2PAK R2P | 59 |
| | PNU650200AEJ (-Q) | 650 V, 20 A Ultrafast recovery rectifier in D2PAK R2P | 59 |
| | PNU650300AEJ (-Q) | 650 V, 30 A Ultrafast recovery rectifier in D2PAK R2P | 59 |
| SiC Schottky diodes | PSC1065H-Q | 650 V, 10 A SiC Schottky diode in DPAK R2P | 61 |
| | PSC0665K | 650 V, 6 A SiC Schottky diode in TO-220-2 R2P | 61 |
| | PSC1665J | 650 V, 16 A SiC Schottky diode in D2PAK R2P | 61 |
| | PSC2065J | 650 V, 20 A SiC Schottky diode in D2PAK R2P | 61 |
| | PSC1665L | 650 V, 16 A SiC Schottky diode in TO-247 R2P | 61 |
| | PSC2065L | 650 V, 20 A SiC Schottky diode in TO-247 R2P | 61 |
| Schottky diodes and rectifiers | BAT32ALS (-Q) | Low-leakage 30V, 200mA Schottky diode | 63 |
| | BAT32LS (-Q) | General-purpose 30V, 200mA Schottky diode | 63 |
| | PMEG2010EXD (-Q) | | 66 |
| | PMEG3010EXD (-Q) | 30 V, 1 A Schottky barrier rectifier | 66 |
| | PMEG4010EXD (-Q) | 40 V, 1 A Schottky barrier rectifier | 66 |
| | PMEG6010EXD (-Q) | 60 V, 1 A Schottky barrier rectifier | 66 |
| | PMEG2020CER (-Q) | 20 V, 2 A Schottky barrier rectifier | 66 |
| | PMEG2020EXD (-Q) | | 66 |
| | PMEG3020CER (-Q) | 30 V, 2 A Schottky barrier rectifier | 66 |
| | PMEG3020EXD (-Q) | | 66 |
| | PMEG4020CER (-Q) | 40 V, 2 A Schottky barrier rectifier | 66 |
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| | PMEG6020CER (-Q) | 60 V, 2 A Schottky barrier rectifier | 66 |
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ESD protection, TVS, filtering and signal conditioning

| Category | Products | Description | Page |
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| Automotive ESD protection and TVS | PESD1CANFD24LS-Q | Automotive in-vehicle networks (CAN/LIN/CAN-FD/Flex-ray) ESD protection | 74 |
| | PESD1CANFD30LS-Q | Automotive in-vehicle networks (CAN/LIN/CAN-FD/Flex-ray) ESD protection | 74 |
| | PESD1CANFD33LS-Q | Automotive in-vehicle networks (CAN/LIN/CAN-FD/Flex-ray) ESD protection | 74 |
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| | PXN012-60QL | N-channel 60 V, 11.5 mOhm, logic level Trench MOSFET in MLPAK33 | 113 |
| | PSMNR90-80ASF | NextPower 80 V, 0.85 mOhm, N-channel MOSFET in CCPAK1212 package | 114 |
| | PSMNR90-80ASE | N-channel, 80 V, 0.9 mOhm, MOSFET with enhanced SOA in CCPAK1212 package | 114 |
| | PSMN1R0-100ASF | NextPower 100 V, 0.99 mOhm, N-channel MOSFET in CCPAK1212 package | 114 |
| | PSMN1R0-100ASE | N-channel, 100 V, 1.04 mOhm, MOSFET with enhanced SOA in CCPAK1212 package | 114 |
| | PSMN1R1-80ASF | NextPower 80 V, 1.11 mOhm, N-channel MOSFET in CCPAK1212 package | 114 |
| | PSMN1R2-80ASE | N-channel, 80 V, 1.18 mOhm, MOSFET with enhanced SOA in CCPAK1212 package | 114 |
| | PSMN1R3-100ASF | NextPower 100 V, 1.3 mOhm, N-channel MOSFET in CCPAK1212 package | 114 |
| | PSMN1R4-100ASE | N-channel, 100 V, 1.36 mOhm, MOSFET with enhanced SOA in CCPAK1212 package | 114 |
| | PSMNR90-80CSF | NextPower 80 V, 0.9 mOhm, N-channel MOSFET in CCPAK1212i package | 114 |
| | PSMN1R0-80CSE | N-channel, 80 V, 0.95 mOhm, MOSFET with enhanced SOA in CCPAK1212i package | 114 |
| | PSMN1R0-100CSF | NextPower 100 V, 1.04 mOhm, N-channel MOSFET in CCPAK1212i package | 114 |
| | PSMN1R1-100CSE | N-channel, 100 V, 1.09 mOhm, MOSFET with enhanced SOA in CCPAK1212i package | 114 |
| | PSMN1R1-80CSF | NextPower 80 V, 1.16 mOhm, N-channel MOSFET in CCPAK1212i package | 114 |
| | PSMN1R2-80CSE | N-channel, 80 V, 1.18 mOhm, MOSFET with enhanced SOA in CCPAK1212i package | 114 |
| | PSMN1R4-100CSF | NextPower 100 V, 1.35 mOhm, N-channel MOSFET in CCPAK1212i package | 114 |
| | PSMN1R4-100CSE | N-channel, 100 V, 1.42 mOhm, MOSFET with enhanced SOA in CCPAK1212i package | 114 |
| | PSMN2R6-80YSF | NextPower 80 V, 2.4 mOhm, 231 A, N-channel MOSFET in LFPAK56E package | 114 |
| | PSMN3R5-80YSF | NextPower 80 V, 3.5 mOhm, 150 A, N-channel MOSFET in LFPAK56E package | 114 |
| | PSMN4R2-80YSE | N-channel 80 V, 4.2 mOhm MOSFET with enhanced SOA in LFPAK56E | 114 |
| | PSMN3R9-100YSF | NextPower 100 V, 4.3 mOhm, 120 A, N-channel MOSFET in LFPAK56E package | 114 |
| | PSMN4R8-100YSE | N-channel 100 V, 4.8 mOhm MOSFET with enhanced SOA in LFPAK56E | 114 |
| | PSMN3R3-80YSF | NextPower 80 V, 3.1 mOhm, 160 A, N-channel MOSFET in LFPAK56 package | 115 |
| | PSMN4R5-80YSF | NextPower 80 V, 4.5 mOhm N-channel MOSFET in LFPAK56 | 115 |
| | PSMN5R5-100YSF | NextPower 100 V, 5.6 mOhm N-channel MOSFET in LFPAK56 package | 115 |
| PSMN7R2-100YSF | NextPower 100 V, 6.9 mOhm N-channel MOSFET in LFPAK56 package | 115 | |
| PSMN8R7-100YSF | NextPower 100 V, 9 mΩ N-channel MOSFET in LFPAK56 package | 115 | |
| PSMN9R8-100YSF | NextPower 100 V, 10.2 mOhm N-channel MOSFET in LFPAK56 package | 115 | |
| PSMN012-100YSF | NextPower 100 V, 11.8 mOhm N-channel MOSFET in LFPAK56 package | 115 | |
| PSMN015-100YSF | NextPower 100 V, 15.5 mOhm N-channel MOSFET in LFPAK56 package | 115 | |
| PSMN025-100HS | N-channel 100 V, 24.5 mOhm, standard level MOSFET in LFPAK56D using TrenchMOS technology | 115 | |
| PSMN029-100HL | N-channel 100 V, 29 mOhm, logic level MOSFET in LFPAK56D using TrenchMOS technology | 115 | |
| PSMN028-100HS | N-channel 100 V, 27.5 mOhm, standard level MOSFET in LFPAK56D using TrenchMOS technology | 115 | |
| PSMN033-100HL | N-channel 100 V, 31 mOhm, logic level MOSFET in LFPAK56D using TrenchMOS technology | 115 | |
| PSMN038-100HS | N-channel 100 V, 37.6 mOhm, standard level MOSFET in LFPAK56D using TrenchMOS technology | 115 | |

| Category | GAN products | Description | Page |
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| Power MOSFETs | PSMN045-100HL | N-channel 100 V, 45 mOhm, logic level MOSFET in LFPAK56D using TrenchMOS technology | 115 |
| | PSMN1R3-80SSF | NextPower 80 V, 1.2 mOhm, 335 Amp, N-channel MOSFET in LFPAK88 package | 116 |
| | PSMN1R8-80SSF | NextPower 80 V, 1.8 mOhm, 270 Amp, N-channel MOSFET in LFPAK88 package | 116 |
| | PSMN1R9-80SSE | N-channel 80 V, 1.9 mOhm MOSFET with enhanced SOA in LFPAK88 | 116 |
| | PSMN2R3-80SSF | NextPower 80 V, 2.3 mOhm, 240 Amp, N-channel MOSFET in LFPAK88 package | 116 |
| | PSMN2R5-80SSE | N-channel 80 V, 2.5 mOhm MOSFET with enhanced SOA in LFPAK88 | 116 |
| | PSMN2R8-80SSF | NextPower 80 V, 2.8 mOhm, 205 Amp, N-channel MOSFET in LFPAK88 package | 116 |
| | PSMN2R0-100SSF | NextPower 100 V, 2.07 mOhm, 267 Amp, N-channel MOSFET in LFPAK88 package | 116 |
| | PSMN2R3-100SSE | N-channel 100 V, 2.3 mOhm MOSFET with enhanced SOA in LFPAK88 | 116 |
| | PSMN2R9-100SSE | N-channel 100 V, 2.9 mOhm MOSFET with enhanced SOA in LFPAK88 | 116 |
| | PSMN2R6-100SSF | NextPower 100 V, 2.6 mOhm, 200 Amp, N-channel MOSFET in LFPAK88 package | 116 |
| | PSMN3R3-100SSF | NextPower 100 V, 3.3 mOhm, 180 Amp, N-channel MOSFET in LFPAK88 package | 116 |
| | PXN011-100QL | N-channel 100 V, 11 mOhm, logic level Trench MOSFET in MLPAK33 | 116 |
| | PXN011-100QS | N-channel 100 V, 11 mOhm, standard level Trench MOSFET in MLPAK33 | 116 |
| | PXN012-100QL | N-channel 100 V, 12 mOhm, logic level Trench MOSFET in MLPAK33 | 116 |
| | PXN012-100QS | N-channel 100 V, 12 mOhm, standard level Trench MOSFET in MLPAK33 | 116 |
| | PXN020-100QS | N-channel 100 V, 20 mOhm, standard level Trench MOSFET in MLPAK33 | 116 |
| | PXN028-100QL | N-channel 100 V, 28 mOhm, logic level Trench MOSFET in MLPAK33 | 116 |
| | PXN040-100QS | N-channel 100 V, 40 mOhm, standard level Trench MOSFET in MLPAK33 | 116 |
| | PXN2R8-100RL | N-channel 100 V, 2.8 mOhm, logic level Trench MOSFET in MLPAK56 | 116 |
| | PXN2R9-100RS | N-channel 100 V, 2.9 mOhm, standard level Trench MOSFET in MLPAK56 | 116 |
| | PSMN047-100NSE | N-channel 100 V, 53 mOhm standard level ASFET with enhanced SOA in DFN2020 | 116 |
| | PSMN071-100NSE | N-channel 100 V, 82 mOhm standard level ASFET with enhanced SOA in DFN2020 | 116 |
| PXP700-150QS | 150 V, P-channel Trench MOSFET | 117 | |

Power GaN FETs

| Category | GAN products | Description | Page |
|----------------|-----------------------|---|------------|
| Power GaN FETs | GANE7R0-100CBA | 100 V, 7.0 mΩ Gallium Nitride (GaN) FET in a Wafer Level Chip-Scale Package (WLCSP) | 137 |
| | GANE2R7-100CBA | 100 V, 2.7 mΩ Gallium Nitride (GaN) FET in a Wafer Level Chip-Scale Package (WLCSP) | 137 |
| | GANE1R8-100QBA | 100 V, 1.8 mΩ Gallium Nitride (GaN) FET in a Wafer Level Chip-Scale Package (WLCSP) | 137 |
| | GANE3R9-150QBA | 150 V, 3.9 mOhm Gallium Nitride (GaN) FET in a 4.0 mm x 6.0 mm Very-Thin-Profile Quad Flat No-Lead Package (VQFN) | 137 |
| | GANE350-650FBA | 650 V, 350 mΩ Gallium Nitride (GaN) FET in a DFN 5 mm x 6 mm surface mount package | 137 |
| | GANE600-650FBA | 650 V, 600 mΩ Gallium Nitride (GaN) FET in a DFN 5 mm x 6 mm surface mount package | 137 |
| | GANE140-700BBA | 700 V, 140 mΩ Gallium Nitride (GaN) FET in a DPAK package | 137 |
| | GANE190-700BBA | 700 V, 190 mΩ Gallium Nitride (GaN) FET in a DPAK package | 137 |
| | GANE240-700BBA | 700 V, 240 mΩ Gallium Nitride (GaN) FET in a DPAK package | 137 |
| | GANE350-700BBA | 700 V, 350 mΩ Gallium Nitride (GaN) FET in a DPAK package | 137 |
| | GANB1R2-040QBA | 40 V, 1.2 mΩ bi-directional Gallium Nitride (GaN) High Electron-Mobility-Transistor (HEMT) | 137 |
| | GANB4R8-040CBA | 40 V, 4.8 mOhm bi-directional Gallium Nitride (GaN) FET in a 2.1 mm x 2.1 mm Wafer Level Chip-Scale Package (WLCSP) | 137 |
| | GANB8R0-040CBA | 40 V, 8.0 mΩ bi-directional Gallium Nitride (GaN) High Electron-Mobility-Transistor (HEMT) | 137 |
| | GANB012-040CBA | 40 V, 12 mΩ bi-directional Gallium Nitride (GaN) High Electron-Mobility-Transistor (HEMT) | 137 |
| | GAN039-650NBB | 650 V, 33 mOhm Gallium Nitride (GaN) FET in a CCPAK1212i package | 137 |
| | GAN039-650NTB | 650 V, 33 mOhm Gallium Nitride (GaN) FET in a CCPAK1212i package | 137 |
| | GAN041-650WSB | 650 V, 35 mΩ Gallium Nitride (GaN) FET in a TO-247 package | 137 |
| | GAN111-650WSB | 650 V, 97 mOhm Gallium Nitride (GaN) FET in a TO-247 package | 137 |

Bipolar Discretes Q-portfolio

Introducing a new semiconductor quality that is addressing the growing support levels enhanced by ACES and prepares Bipolar Discretes for future automotive designs.

The largest automotive innovations are still ahead of us

- › Autonomous Driving, connectivity, electrified- and shared mobility (ACES) will shape the future of automobility and redefine the manner of moving from place to place.
- › ACES amplify the need for proven reliability in increasingly challenging environments and for extended operating times [e.g. over-night operation of xEV on-board chargers].
- › Essential quality of all components is key for mission-critical functions and amplified by regulatory pressures and reduces prospective service cost or even the risk of personal injuries.

Nexperia introduces future-proof automotive portfolio for Bipolar Discretes | The Q-Portfolio

- › On top of all automotive standards (e.g. AEC-Q101) Nexperia always enhanced its preeminent quality level by close consultation of its industry leading customer base (e.g. via regular audits).
- › With our dedicated automotive portfolio of Bipolar Discretes (e.g. BAV99-Q) we gear up to address the growing quality and support levels enhanced by ACES.
- › Moreover, we offer an additional option of standard types if an automotive grade is not required.

Quality | Moving beyond AEC-Q101

Continuously adopting the latest quality standards exceeding AEC-Q101 by new mission profiles (VDE ITG MN5.7), extended firewalls and more.

Supply | Incorporate particular industry needs

Guaranteed longevity of >10 years, <2 years date code, supply prioritization, IATF Certification and use of VDA A-rated in-house front- and backend.



The Q-portfolio

Service | Unique support for unique customers

Additional support offer including PPAPs, extended PCN implementation time and more.

Performance | Tailored investments to suit automotive needs

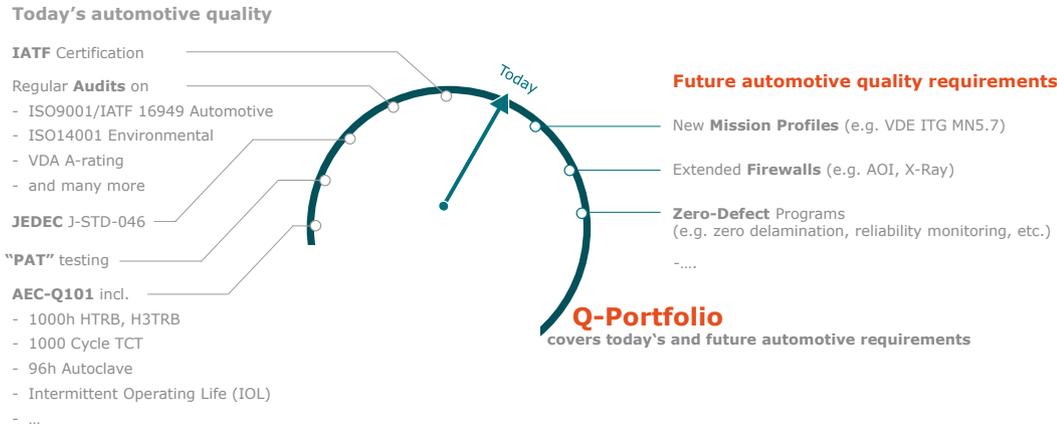
Drive CAPEX investments into dedicated automotive portfolio executed via BCamX Product Creation Process compliant to automotive APQP.

Our promise:

- › With our Q-Portfolio you automatically benefit from the adoption of future automotive standards.
- › We continue to guarantee all performance specifications stated in the datasheets.
- › The transfer to Q-Portfolio has no impact on (1) confirmed shipments, (2) product supply chain or (3) negotiated contract prices.

The Q-portfolio – Q for Quality

Based on today's automotive requirements, the Q-portfolio will adopt future quality standards



Service options

With the introduction of the Q-portfolio, Bipolar Discretes offers 2 portfolio options, depending on each customer service level requirement.

| Q-Portfolio | | Standard Portfolio |
|-------------------------------------|-------------------------------------|----------------------|
| • 2x JEDEC 180 days ¹⁾ | PCN handling | • JEDEC 90 days |
| • Supported | PPAP | • Not supported |
| • Minimum of 10 years | Longevity | • Minimum of 5 years |
| • <2 years | Date Code | • <4 years |
| • Very high | Supply Priority²⁾ | • High |

Product overview

Q-portfolio types will be offered across all Bipolar Discretes product groups. Types can be recognized by the -Q ending of the part name.

| Small Signal Diodes | | Small Signal Transistors | | Power Rectifiers | | Power Transistors | | BISS Transistors | | ESD Protection | |
|---------------------|---------|--------------------------|---------|------------------|---------|-------------------|---------|------------------|---------|----------------|---------|
| ProductType | Package | ProductType | Package | ProductType | Package | ProductType | Package | ProductType | Package | ProductType | Package |
| BAS316 | SOD323 | BC817-40 | SOT23 | PMEG100V080ELPD | SOT128 | BCX56-16 | SOT89 | PBSS5255PAPS | SOT111 | PESD24VL18A | SOD323 |
| BAV99 | SOT23 | BC847C | SOT23 | PMEG4005EJ | SOD323 | BCP56-16T | SOT223 | PBSS5240T | SOT23 | PESD21VN24-T | SOT23 |
| BAS21 | SOT23 | BC817-25 | SOT23 | PMEG4010CEJ | SOD323 | BCP56-16 | SOT223 | PBSS5350T | SOT23 | PESD15VL18A | SOT23 |
| BAT54S | SOT23 | BC846B | SOT23 | PMEG4050EP | SOD128 | BCX53-16 | SOT89 | PBSS4350T | SOT23 | PESD21V18A | SOT23 |
| BAV99W | SOT23 | BC807-40 | SOT23 | PMEG6010ER | SOD323 | BCSR41 | SOT89 | PBSS4140T | SOT23 | PESD21V18A | SOT23 |
| BAV70 | SOT23 | BC847BPN | SOT363 | BAT760 | SOD323 | BCX56 | SOT89 | PBSS4350Z | SOT23 | PESD21V18A | SOT23 |
| BAS321 | SOD323 | BC847B | SOT23 | PMEG4010BEA | SOD323 | BCX56-10 | SOT89 | PBSS4240T | SOT23 | PESD21V18A | SOT23 |
| BAT54C | SOT23 | PUMD3 | SOT363 | PMEG6030EP | SOD128 | BCX52-16 | SOT89 | | | | |
| BAS16VY | SOT363 | PUMD9 | SOT363 | PMEG10010ELR | SOD123 | PBSS5350X | SOT89 | | | | |
| BAT46WJ | SOD323 | BC807-25 | SOT23 | BC817-40W | SOT323 | | | | | | |
| BAV70W | SOT323 | BC847B5 | SOT363 | BC856B | SOT23 | | | | | | |
| BAT54SW | SOT323 | PDT114ET | SOT23 | BC857B5 | SOT363 | | | | | | |
| BAV99S | SOT363 | BC817-40W | SOT323 | BC847CW | SOT23 | | | | | | |
| BAT54 | SOT23 | BC856B | SOT23 | PUMH9 | SOT23 | | | | | | |
| BAS16 | SOT23 | BC857B5 | SOT363 | BAW56 | SOT23 | | | | | | |
| BAT54CW | SOT323 | BC847CW | SOT23 | BAT54AW | SOT23 | | | | | | |
| BAV199 | SOT23 | | | | | | | | | | |
| BAT54A | SOT23 | | | | | | | | | | |
| BAW56 | SOT23 | | | | | | | | | | |
| BAT54AW | SOT23 | | | | | | | | | | |

| Future Bipolar Discretes Portfolio (exemplary) | |
|--|-------------|
| Standard Portfolio | Q-Portfolio |
| BAS316 | BAS316-Q |
| BAV99 | BAV99-Q |
| BAS21 | BAS21-Q |
| ... | ... |



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Bipolar transistors

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| | |
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Small signal transistors single NPN

| Package | | | | | Automotive-qualified | | | | |
|-----------------------|---------------------|-------------------------|---------------------|--------------------------|---|---|---|---|---|
| | | | | | SOT23 | SOT323 (SC-70) | DFN1412D-3 (SOT8009) | DFN1110D-3 (SOT8015) | DFN1006-3 (SOT883) |
| | | | | | Leaded SMD | | DFN | | |
| | | | | |  |  |  |  |  |
| Size (mm) | | | | | 2.9 x 1.3 x 1.0 | 2.0 x 1.25 x 0.95 | 1.4 x 1.2 x 0.47 | 1.1 x 1.0 x 0.47 | 1.0 x 0.6 x 0.5 |
| P _{tot} (mW) | | | | | 250 | 200 | 360 | 340 | 250 |
| V _{CE0} (V) | I _C (mA) | h _{FE} min/typ | h _{FE} max | f _T min (MHz) | | | | | |
| 25 | 100 | 450 | 1200 | 100 | | PMST5089 | | | |
| 30 | 100 | 110 - 200 | 450 - 800 | 100 | BC848B (-Q) | BC848W (-Q) | | | |
| | | 350 | 900 | 100 | | PMST5088 | | | |
| 32 | 100 | 110 | 220 | 100 | BCW31 | | | | |
| | | 200 | 450 | 100 | BCW32 | | | | |
| | | 420 | 800 | 100 | BCW33 | | | | |
| | | 180 | 310 | 100 | BCW60B | | | | |
| | | 250 | 460 | 100 | BCW60C | | | | |
| | | 380 | 630 | 100 | BCW60D | | | | |
| 45 | 100 | 110 | 800 | 100 | BC847 (-Q) | BC847W (-Q) | | | |
| | | 110 | 220 | 100 | BC847A (-Q) | BC847AW (-Q) | BC847AQC (-Q) | BC847AQB (-Q) | BC847AM (-Q) |
| | | 200 | 450 | 100 | BC847B (-Q) | BC847BW (-Q) | BC847BQC (-Q) | BC847BQB (-Q) | BC847BM (-Q) |
| | | 420 | 800 | 100 | BC847C (-Q) | BC847CW (-Q) | BC847CQC (-Q) | BC847CQB (-Q) | BC847CM (-Q) |
| | | 120 | 220 | 100 | BCX70G | | | | |
| | | 180 | 310 | 100 | BCX70H | | | | |
| | | 250 | 460 | 100 | BCX70J | | | | |
| | | 380 | 630 | 100 | BCX70K | | | | |
| | | 110 | 220 | 100 | BCW71 | | | | |
| | | 200 | 450 | 100 | BCW72 | | | | |
| 50 | 100 | 500 | 1250 | 100 | PMBT6429 | PMST6429 | | | |
| | | 210 | 340 | 100 - 150 | 2PD601ART (-Q) | | | | |
| | | 210 | 340 | 100 - 150 | 2PD601ARL | 2PD601ARW (-Q) | | | |
| | | 290 | 460 | 100 - 150 | 2PD601ASL | 2PD601ASW (-Q) | | | |
| 60 | 100 | 250 | 650 | 100 | PMBT6428 | PMST6428 | | | |
| | | 110 | 220 | 100 | BCV71 (-Q) | | | | |
| 65 | 100 | 200 | 450 | 100 | BCV72 (-Q) | | | | |
| | | 110 | 450 | 100 | BC846 (-Q) | BC846W (-Q) | | | |
| | | 110 | 220 | 100 | BC846A (-Q) | BC846AW (-Q) | BC846AQC (-Q) | BC846AQB (-Q) | |
| 50 | 150 | 200 | 450 | 100 | BC846B (-Q) | BC846BW (-Q) | BC846BQC (-Q) | BC846BQB (-Q) | BC846BM (-Q) |
| | | 120 | 270 | 100 | | 2PC4081Q (-Q) | | | 2PC4617QMB |
| | | 180 | 390 | 100 | | 2PC4081R (-Q) | | | 2PC4617RMB |
| | 200 | 270 | 560 | 100 | | 2PC4081S (-Q) | | | |
| | | 210 | 340 | 100 | 2PD601BRL | | | | |
| 45 | 500 | 290 | 460 | 100 | 2PD601BSL | | | | |
| | | 100 | 600 | 100 | BC817 (-Q) | BC817W (-Q) | | | |
| | | 100 | 250 | 100 | BC817-16 (-Q) | BC817-16W (-Q) | BC817-16QC (-Q) | BC817-16QB (-Q) | |
| | | 160 | 400 | 100 | BC817-25 (-Q) | BC817-25W (-Q) | BC817-25QC (-Q) | BC817-25QB (-Q) | |
| | | 250 | 600 | 100 | BC817-40 (-Q) | BC817-40W (-Q) | BC817-40QC (-Q) | BC817-40QB (-Q) | |
| 50 | 500 | 100 | 600 | 100 | BCX19 (-Q) | | | | |
| | | 85 | 170 | 140 - 180 | 2PD602AQL (-Q) | | | | |
| | | 120 | 240 | 140 - 180 | 2PD602ARL | 2PD1820AR (-Q) | | | |
| 60 | 500 | 170 | 340 | 140 - 180 | 2PD602ASL (-Q) | 2PD1820AS (-Q) | | | |
| | | 50 | - | 100 | | PMSTA05 (-Q) | | | |
| 80 | 500 | 100 | - | 50 | PMBTA06 (-Q) | PMSTA06 (-Q) | | | |
| 80 | 500 | 100 | 250 | 100 | BC816-16 (-Q) | BC816-16W (-Q) | | | |
| | | 160 | 400 | 100 | BC816-25 (-Q) | BC816-25W (-Q) | | | |
| 45 | 800 | 100 | 250 | 100 | BCW66F | | | | |
| | | 160 | 400 | 100 | BCW66G | | | | |
| | | 250 | 630 | 100 | BCW66H | | | | |

Small signal transistors single PNP

| Package | | | | | Automotive-qualified | | | | |
|-----------------------|---------------------|-------------------------|---------------------|--------------------------|----------------------|-------------------|----------------------|----------------------|--------------------|
| | | | | | SOT23 | SOT323 (SC-70) | DFN1412D-3 (SOT8009) | DFN1110D-3 (SOT8015) | DFN1006-3 (SOT883) |
| | | | | | Leaded SMD | | DFN | | |
| Size (mm) | | | | | 2.9 x 1.3 x 1.0 | 2.0 x 1.25 x 0.95 | 1.4 x 1.2 x 0.47 | 1.1 x 1.0 x 0.47 | 1.0 x 0.6 x 0.5 |
| P _{tot} (mW) | | | | | 250 | 200 | 360 | 340 | 250 |
| V _{CEO} (V) | I _C (mA) | h _{FE} min/typ | h _{FE} max | f _T min (MHz) | | | | | |
| 30 | 100 | 125 - 220 | 500 - 800 | 100 | BC858B (-Q) | BC858BW (-Q) | | | |
| 32 | 100 | 120 | 260 | 100 | BCW29 | | | | |
| | | 215 | 500 | 100 | BCW30 | | | | |
| | | 180 | 310 | 100 | BCW61B | | | | |
| | | 250 | 460 | 100 | BCW61C | | | | |
| | | 380 | 630 | 100 | BCW61D | | | | |
| 45 | 100 | 210 | 340 | 70 | 2PB709ART (-Q) | | | | |
| | | 210 | 340 | 70 | 2PB709ARL (-Q) | 2PB709ARW | | | |
| | | 290 | 460 | 70 | 2PB709ASL (-Q) | 2PB709ASW | | | |
| | | 180 | 310 | 100 | BCX71H (-Q) | | | | |
| | | 250 | 460 | 100 | BCX71J (-Q) | | | | |
| | | 380 | 630 | 100 | BCX71K (-Q) | | | | |
| | | 120 | 260 | 100 | BCW69 | | | | |
| | | 215 | 500 | 100 | BCW70 | | | | |
| | | 125 | 800 | 100 | BC857 (-Q) | BC857W (-Q) | | | |
| | | 125 | 250 | 100 | BC857A (-Q) | BC857AW (-Q) | BC857AQC (-Q) | BC857AQB (-Q) | BC857AM (-Q) |
| 220 | 475 | 100 | BC857B (-Q) | BC857BW (-Q) | BC857BQC (-Q) | BC857BQB (-Q) | BC857BM (-Q) | | |
| 420 | 800 | 100 | BC857C (-Q) | BC857CW (-Q) | BC857CQC (-Q) | BC857CQB (-Q) | BC857CM (-Q) | | |
| 60 | 100 | 120 | 260 | 150 | BCW89 | | | | |
| 65 | 100 | 125 | 475 | 100 | BC856 (-Q) | | | | |
| | | 125 | 250 | 100 | BC856A (-Q) | BC856AW (-Q) | BC856AQC (-Q) | BC856AQB (-Q) | |
| | | 220 | 475 | 100 | BC856B (-Q) | BC856BW | BC856BQC (-Q) | BC856BQB (-Q) | BC856BM (-Q) |
| 100 | 100 | 30 | - | 100 | BSS63 (-Q) | | | | |
| 50 | 150 | 120 | 270 | 100 | | 2PA1576Q (-Q) | | 2PA1774QM (-Q) | |
| | | 180 | 390 | 100 | | 2PA1576R (-Q) | | 2PA1774RM (-Q) | |
| | | 270 | 560 | 100 | | 2PA1576S (-Q) | | 2PA1774SM (-Q) | |
| | 200 | 200 | 340 | 100 | 2PB709BRL (-Q) | | | | |
| | | 290 | 460 | 100 | 2PB709BSL | | | | |
| 25 | 500 | 100 | 600 | 80 | BCX18 | | | | |
| 45 | 500 | 100 | 600 | 80 | BC807 (-Q) | BC807W (-Q) | | | |
| | | 100 | 250 | 80 | BC807-16 (-Q) | BC807-16W (-Q) | BC807-16QC (-Q) | BC807-16QB (-Q) | |
| | | 160 | 400 | 80 | BC807-25 (-Q) | BC807-25W (-Q) | BC807-25QC (-Q) | BC807-25QB (-Q) | |
| | | 250 | 600 | 80 | BC807-40 (-Q) | BC807-40W (-Q) | BC807-40QC (-Q) | BC807-40QB (-Q) | |
| | | 100 | 600 | 80 | BCX17 (-Q) | | | | |
| 50 | 500 | 40 | 240 | 100 - 40 | 2PB710ARL (-Q) | | | | |
| | | 40 | 240 | 100 - 40 | 2PB710ASL (-Q) | | | | |
| | | 100 | - | 100 - 40 | | 2PB1219AQ | | | |
| | | 120 | - | 100 - 40 | | 2PB1219AR | | | |
| | | 140 | - | 100 - 40 | | 2PB1219AS | | | |
| 60 | 500 | 100 | - | 50 | | PMSTA55 (-Q) | | | |
| 80 | 500 | 100 | - | 50 | PMBTA06 (-Q) | PMSTA06 (-Q) | | | |
| 80 | 500 | 100 | 250 | 80 | BC806-16 (-Q) | BC806-16W (-Q) | | | |
| | | 160 | 400 | 80 | BC806-25 (-Q) | BC806-25W (-Q) | | | |
| 45 | 800 | 100 | 250 | 80 | BCW68F | | | | |
| | | | 400 | 80 | BCW68G | | | | |
| | | 250 | 600 | 80 | BCW68H | | | | |

General purpose bipolar transistors

High performance transistors (superior power dissipation)

| | | | | | | | Automotive-qualified |
|-----------------------|----------------------|----------------------|---------------------|---------------------|---------------------|--------------------------|---|
| | | | | | | | SOT23 |
| Package | | | | | | |  |
| Size (mm) | | | | | | | 2.9 x 1.3 x 1.0 |
| P _{tot} (mW) | | | | | | | 775 |
| Polarity | V _{CEO} (V) | V _{ebo} (V) | I _C (mA) | h _{FE} min | h _{FE} max | f _T min (MHz) | |
| NPN | 45 | 5 | 0.5 | 100 | 250 | 100 | BC817K-16 |
| | | | | 160 | 400 | 100 | BC817K-25 |
| | | | | 250 | 600 | 100 | BC817K-40 |
| PNP | 45 | 5 | 0.5 | 100 | 250 | 80 | BC807K-16 |
| | | | | 160 | 400 | 80 | BC807K-25 |
| | | | | 250 | 600 | 80 | BC807K-40 |

Small signal transistors double

| | | | | | | Automotive-qualified | | | |
|-----------------------|----------------------|---------------------|---------------------|---------------------|--------------------------|---|--|---|---|
| | | | | | | SOT457 (SC-74) | SOT363 (SC-88) | DFN1412-6 (SOT1268) | DFN1010B-6 (SOT1216) |
| Package | | | | | |  |  |  |  |
| Size (mm) | | | | | | 2.9 x 1.5 x 1.0 | 2.0 x 1.25 x 0.95 | 1.4 x 1.2 x 0.5 | 1.0 x 1.0 x 0.37 |
| P _{tot} (mW) | | | | | | 750 | 300 | 480 | 350 |
| Polarity | V _{CEO} (V) | I _C (mA) | h _{FE} min | h _{FE} max | f _T min (MHz) | | | | |
| NPN | 40 | 100 | 120 | 450 | 100 | | PUMX1 (-Q) | | |
| | 45 | 100 | 200 | 450 | 100 | BC847DS (-Q) | BC847BS (-Q) | BC847RA | BC847QAS |
| | 65 | 100 | 110 | - | 100 | | BC846S (-Q) | | |
| | | | 200 | 450 | 100 | BC846DS (-Q) | BC846BS (-Q) | | |
| | 50 | 150 | 120 | 560 | 100 | | PUMX2 (-Q) | | |
| 45 | 500 | 160 | 400 | 80 | | BC817DS (-Q) | | BC817RA | |
| PNP | 40 | 100 | 120 | 450 | 100 | PIMT1 (-Q) | PUMT1 (-Q) | | |
| | 45 | 100 | 200 | 450 | 100 | | BC857BS (-Q) | BC857RA | BC857QAS |
| | 65 | 100 | 110 | - | 100 | | | BC856S (-Q) | |
| | | | 200 | 450 | 100 | | BC856DS (-Q) | | |
| | 45 | 500 | 160 | 400 | 80 | | BC807DS (-Q) | | BC807RA |
| NPN / PNP | 40 | 100 | 120 | 450 | 100 | | PUMZ1 (-Q) | | |
| | 45 | 100 | 200 | 450 | 100 | | BC847BPN (-Q) | BC847RAPN | BC847QAPN |
| | 50 | 100 | 120 | 560 | 100 | PIMZ2 (-Q) | PUMZ2 (-Q) | | |
| | 65 | 100 | 200 | 450 | 100 | | BC846BPN (-Q) | | |
| | 45 | 500 | 160 | 160 | 100 / 800 | | BC817DPN (-Q) | | BC817RAPN |

Small signal switching transistors single

| Package | | | | | | | SOT223 (SC-73) | SOT89 (SC-62) | SOT23 | SOT323 (SC-70) | DFN1006-3 (SOT883) | DFN1010D-3 (SOT1215) |
|-----------------------|----------------------|---------------------|---------------------|---------------------|--------------------------|-----------------------|------------------|-----------------|-----------------|-------------------|--------------------|----------------------|
| Size (mm) | | | | | | | 6.5 x 3.5 x 1.65 | 4.5 x 2.5 x 1.5 | 2.9 x 1.3 x 1.0 | 2.0 x 1.25 x 0.95 | 1.0 x 0.6 x 0.5 | 1.1 x 1.0 x 0.37 |
| P _{tot} (mW) | | | | | | | 1700 | 1300 | 250 | 200 | 250 | 440 |
| Polarity | V _{CEO} (V) | I _C (mA) | h _{FE} min | h _{FE} max | f _T min (MHz) | t _{off} (ns) | | | | | | |
| NPN | 40 | 200 | 100 | 300 | 300 | 250 | | | PMBS3904 (-Q) | | | |
| | | | | | 180 | 1200 | | | PMSS3904 | | | |
| | 15 | 200 | 40 | 120 | 500 | 20 | | | PMBT2369 (-Q) | PMST2369 (-Q) | | |
| | 40 | 200 | 100 | 300 | 300 | 250 | | | MMBT3904 (-Q) | | | |
| | 30 | 600 | 100 | 300 | 250 | 250 | | | PMBT3904 (-Q) | PMST3904 (-Q) | PMBT3904M (-Q) | PMBT3904QA |
| | | | | | | | | | PMBT2222 (-Q) | PMST2222 (-Q) | | |
| | 40 | 600 | 100 | 300 | 250 | 250 | PZT4401 | PXT4401 | PMBT4401 (-Q) | PMST4401 (-Q) | | |
| | | | | | | | | | MMBT2222A (-Q) | | | |
| | | | | | | | PZT2222A | PXT2222A | PMBT2222A (-Q) | PMST2222A (-Q) | | |
| | | | | | 340 ¹⁾ | | | | | | PMBT2222AM (-Q) | PMBT2222AQA |
| 40 | 800 | 100 | 300 | 300 | 250 | | | BSR14 (-Q) | | | | |
| PNP | 40 | 100 | 100 | 300 | 150 | 700 | | | PMBS3906 (-Q) | PMSS3906 | | |
| | 40 | 200 | 100 | 300 | 250 | 300 | | | MMBT3906 (-Q) | | | |
| | | | | | | | | | PMBT3906 (-Q) | PMST3906 (-Q) | PMBT3906M (-Q) | |
| | 40 | 600 | 100 | 300 | 200 | 350 | PZT4403 | PXT4403 | PMBT4403 (-Q) | PMST4403 (-Q) | | |
| | | | | | | 365 | | | PMBT2907 (-Q) | | | |
| | 60 | 600 | 100 | 300 | 200 | 300 | | | | PMST2907A (-Q) | | |
| | | | | | | | | | BSR16 (-Q) | | | |
| | | | | | | 365 | PZT2907A | PXT2907A | PMBT2907A (-Q) | | | |
| | | | | 210 ¹⁾ | | | | | | PMBT2907AM (-Q) | PMBT2907AQA | |

¹⁾ f_T Typ

Small signal switching transistors double

Types in **bold** represent new products

| Package | | | | | | | SOT363 (SC-88) | SOT457 (SC-74) | DFN1412-6 (SOT1268) |
|-----------------------|----------------------|---------------------|---------------------|---------------------|-------------------------|-----------------------|----------------------|-----------------|---------------------|
| Size (mm) | | | | | | | 2.0 x 1.25 x 0.95 | 2.9 x 1.5 x 1.0 | 1.4 x 1.2 x 0.5 |
| P _{tot} (mW) | | | | | | | 300 | 750 | 480 |
| Polarity | V _{CEO} (V) | I _C (mA) | h _{FE} min | h _{FE} max | f _T min(MHz) | t _{off} (ns) | | | |
| NPN | 40 | 200 | 100 | 300 | 300 | 250 | PMBT3904YS (-Q) | PMBT3904RA | |
| | 40 | 600 | 100 | 300 | 250 | 250 | PMBT4401YS (-Q) | | |
| | | | | | 300 | 250 | PMBT2222AYS (-Q) | | |
| PNP | 40 | 200 | 100 | 300 | 250 | 300 | PMBT3906YS (-Q) | | |
| | 40 | 600 | 100 | 300 | 200 | 350 | PMBT4403YS (-Q) | | |
| | 60 | 600 | 100 | 300 | 200 | 365 | PMBT2907AYS (-Q) | | |
| NPN / PNP | 40 | 200 | 100 | 300 | 300 / 250 | 250 / 300 | PMBT3946YPN (-Q) | | |
| | 40 / 60 | 600 | 100 | 300 | 300 / 200 | 250 / 365 | | NMB2227A | |
| | 40 / 60 | 600 | 100 | 300 | 300 / 200 | 250 / 365 | PMBT2227AYS-Q | | |

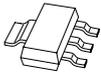
General purpose power transistors

Types in **bold** represent new products

| Package | | | | | | | | | DPAK (SOT428C) | CFP15B (SOT1289B) | | |
|-----------------------|--------------------|---------------------|---------------------|----------------------|----------------------|------------------------|------------|----------------------|---|---|------------|--|
| | | | | | | | | |  |  | | |
| Size (mm) | | | | | | | | | 6.1 x 6.6 | 6.8 x 4.3 | | |
| P _{tot} (mW) | | | | | | | | | 1750 | 2150 | | |
| V _{CE0} (V) | I _C (A) | h _{FE} min | h _{FE} max | @ I _C (A) | @V _{CE} (V) | f _T min MHz | Polarity | Automotive-qualified | | | | |
| 45 | 4 | 85 | 375 | 0,5 | 1 | 3 | NPN | Yes | MJD148(-Q) | | | |
| 50 | 2 | 120 | 360 | 0,5 | 2 | 65 | NPN | Yes | MJD2873(-Q) | MJPE2873(-Q) | | |
| 80 | 8 | 60 | - | 2 | 1 | typ: 160 | NPN | No | MJD44-11 | MJPE44H11 | | |
| | | | | | | | | Yes | MJD44H11A | MJPE44H11-Q | | |
| | | | | 2 | 1 | typ: 80 | PNP | No | MJD45H11 | MJPE45H11 | | |
| | | | | | | | | Yes | MJD45H11A | MJPE45H11-Q | | |
| 100 | 3 | 25 | - | 1 | 4 | 3 | NPN | No | MJD31C | MJPE31C | | |
| | | | | | | | NPN | Yes | MJD31CA | MJPE31C-Q | | |
| | | | | NPN | Yes | | MJD31CH-Q* | MJPE31CH(-Q)* | | | | |
| | | | | PNP | No | | MJD32C | MJPE32C | | | | |
| | 6 | 30 | - | 0,3 | 4 | | PNP | Yes | MJD32CA | MJPE32C-Q | | |
| | | | | | | | NPN | Yes | MJD41C(-Q) | | | |
| | | | | | | | 0,3 | 4 | PNP | Yes | MJD42C(-Q) | |
| | | | | | | | | | | | | |

* high gain version

General purpose high voltage transistors

| Package | | | | | | Automotive-qualified | | | | | |
|-----------------------|----------------------|---------------------|---------------------|---------------------|--------------------------|---|---|---|---|---|--------------|
| | | | | | | SOT223 (SC-73) | SOT89 (SC-62) | SOT457 (SC-74) | SOT23 | SOT323 (SC-70) | |
| | | | | | |  |  |  |  |  | |
| Size (mm) | | | | | | 6.5 x 3.5 x 1.65 | 4.5 x 2.5 x 1.5 | 2.9 x 1.5 x 1.0 | 2.9 x 1.3 x 1.0 | 2.0 x 1.25 x 0.95 | |
| P _{tot} (mW) | | | | | | 1700 | 1300 | 750 | 250 | 200 | |
| Polarity | V _{CE0} (V) | I _C (mA) | h _{FE} min | h _{FE} max | f _T min (MHz) | | | | | | |
| NPN | 140 | 300 | 60 | 250 | 100 | | | | PMBT5550 (-Q) | PMST5550 (-Q) | |
| | 160 | 300 | 80 | 250 | 100 | | | | PMBT5551 (-Q) / BSR19A(-Q) | PMST5551 (-Q) | |
| | 250 | 100 | 50 | | | 60 | BF722 (-Q) | BF622 (-Q) | | BF822(-Q) | |
| | | | | | | | BF720 (-Q) | BF620 (-Q) | | BF820(-Q) | BF820W (-Q) |
| | 300 | 100 | 40 | | | 50 | PZTA42 (-Q) | PXTA42 (-Q) | | PMBTA42 MMBTA42 (-Q) | PMSTA42 (-Q) |
| | | | | | | | | | | | |
| 350 | 100 | 40 | | | 70 | BSP19 (-Q) | BST39 (-Q) | | | | |
| 400 | 300 | 50 | 200 | 20 | | PZTA44(-Q) | | | PMBTA44 (-Q) | | |
| PNP | 100 | 100 | 30 | | 50 | | | | BSS63 (-Q) | | |
| | | | | | | | | | | | |
| | 250 | 100 | 50 | | | 60 | BF723 (-Q) | | | | |
| | | | | | | | | | | | |
| 300 | 100 | 40 | | | 50 | | BF623 (-Q) | | BF823 (-Q) | | |
| | | | | | | | | | BF821 (-Q) | | |
| 2 x NPN | 300 | 100 | 40 | | 50 | PZTA92 (-Q) | PXTA92 (-Q) | | PMBTA92(-Q) | PMSTA92 (-Q) | |
| | | | | | | | | PMBTA42DS (-Q) | | | |

For high-voltage transistors with increased performance please refer to our high-voltage low V_{CEsat} transistor portfolio on page 38.

General purpose bipolar transistors

PNP LED driver

| Package | | | Automotive-qualified | |
|---|--|---|---|-----------------|
| | | | SOT457 | SOT23 |
| Size (mm) | | | 2.9 x 1.5 x 1.0 | 2.9 x 1.3 x 1.0 |
| P _{tot} (mW) | | | 750 | 480 |
| Maximum supply voltage V _s max (V) | | Typical stabilized output current I _{out} typ (mA) | Maximum stabilized output current I _{out} max (mA) | |
| 18 | | 10 | - | |
| | | 20 | - | |
| 40 | | 10 | 65 | NCR401U |
| | | 20 | 65 | NCR402U |
| | | 50 | 65 | NCR405U |
| | | | | NCR401T |
| | | | | NCR402T |

NPN LED driver

| Package | | | | Automotive-qualified | | |
|---|------------------------------------|---|---|----------------------|------------------|-----------------------|
| | | | | SOT457 (SC-74) | SOT223 (SC-73) | DFN2020D-6 (SOT1118D) |
| Size (mm) | | | | 2.9 x 1.5 x 1.0 | 6.5 x 3.5 x 1.65 | 2 x 2 x 0.62 |
| P _{tot} (mW) | | | | 750 | 1250 | 530 |
| Maximum supply voltage V _s max (V) | Maximum Enable voltage VEN max (V) | Typical stabilized output current I _{out} typ (mA) | Maximum stabilized output current I _{out} max (mA) | | | |
| 16 | 25 | 10 | 250 | NCR320U | | |
| | 4.5 | | | NCR321U | | |
| 40 | 40 | 10 | 150 | NCR420U | | |
| | 4.5 | | | NCR421U | | |
| 16 | 25 | 10 | 250 | | NCR320Z | |
| | 4.5 | | | | NCR321Z | |
| 40 | 40 | 10 | 150 | | NCR420Z | |
| | 4.5 | | | | NCR421Z | |
| 16 | 25 | 10 | 250 | | | NCR320PAS |
| | 4.5 | | | | | NCR321PAS |
| 40 | 40 | 10 | 150 | | | NCR420PAS |
| | 4.5 | | | | | NCR421PAS |

Constant current source

| Automotive-qualified | | | | | |
|-----------------------|---|-------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| Package | SOT353 (SC-88A) | | | | |
| |  | | | | |
| Size (mm) | 2.0 x 1.25 x 0.95 | | | | |
| P _{tot} (mW) | 335 | | | | |
| Type | PSSI2021SAY | | | | |
| Description | Maximum supply voltage | Maximum supply current | Typical stabilized output current | Minimum stabilized output current | Maximum stabilized output current |
| Parameter | V _s max (V) | I _s max (mA) | I _{out} typ (μA) | I _{out} min (mA) | I _{out} max (mA) |
| Value | 75 | 2.2 | 15 | 0.015 | 50 |

Darlington transistors

| | | | | | Automotive-qualified | | | |
|-----------------------|----------------------|---------------------|---------------------|--------------------------|---|---|---|------------|
| | | | | | SOT223 (SC-73) | SOT89 (SC-62) | SOT23 | |
| Package | | | | |  |  |  | |
| Size (mm) | | | | | 6.5 x 3.5 x 1.65 | 4.5 x 2.5 x 1.5 | 2.9 x 1.3 x 1.0 | |
| P _{tot} (mW) | | | | | 1700 | 1300 | 250 | |
| Polarity | V _{CEO} (V) | I _C (mA) | h _{FE} min | f _r min (MHz) | | | | |
| NPN | 30 | 500 | 10000 | 125 | | | PMBTA13 (-Q) | |
| | | | 20000 | | PZTA14 (-Q) | PXTA14 | PMBTA14 | |
| | 45 | 1000 | 500 | 2000 | 200 | BSP50 (-Q) | BST50 (-Q) | BCV27 (-Q) |
| | | | | 10000 | 220 | | BCV49 (-Q) | BCV47 (-Q) |
| | 80 | 1000 | 2000 | 2000 | 200 | BSP51 (-Q) | BST51 (-Q) | |
| | | | | BSP52 (-Q) | BST52 (-Q) | | | |
| PNP | 30 | 500 | 20000 | 125 | | | PMBTA64 | |
| | | | 220 | | BCV28 | BCV26 (-Q) | | |
| | 45 | 1000 | 500 | 2000 | 200 | BSP60 (-Q) | BST60 (-Q) | |
| | | | | 10000 | 220 | | BCV48 (-Q) | BCV46 (-Q) |
| | 80 | 1000 | 2000 | 2000 | 200 | BSP61 (-Q) | BST61 (-Q) | |
| | | | | BSP62 (-Q) | BST62 (-Q) | | | |

Schmitt-triggers

| | | | | | | | Automotive-qualified |
|-----------------------|--------------------------|--------------------------|---------------------|---------------------|---------------------|-----------------------------|---|
| | | | | | | | SOT143B |
| Package | | | | | | |  |
| Size (mm) | | | | | | | 2.9 x 1.3 x 1.0 |
| P _{tot} (mW) | | | | | | | 250 |
| Polarity | V _{CEO} (V) TR1 | V _{CEO} (V) TR2 | I _C (mA) | h _{FE} min | h _{FE} max | V _{CEsat} typ (mV) | |
| NPN | 30 | 6 | 100 | 110 | 800 | 250 | BCV63 / B |
| PNP | 30 | 6 | 100 | 220 | 475 | 250 | BCV64B |

Low noise transistors

| | | | | | | | Automotive-qualified | |
|-----------------------|----------------------|---------------------|-----------------------|---------------------|---------------------|--------------------------|---|---|
| | | | | | | | SOT23 | SOT323 (SC-70) |
| Package | | | | | | |  |  |
| Size (mm) | | | | | | | 2.9 x 1.3 x 1.0 | 2.0 x 1.25 x 0.95 |
| P _{tot} (mW) | | | | | | | 250 | 200 |
| Polarity | V _{CEO} (V) | I _C (mA) | Noise figure max (dB) | h _{FE} min | h _{FE} max | f _r min (MHz) | | |
| NPN | 30 | 100 | 4 | 200 | 450 | 100 | BC849B | BC849BW |
| | | | | 420 | 800 | 100 | BC849C | BC849CW |
| | 45 | 100 | 4 | 200 | 450 | 100 | BC850B | BC850BW |
| | | | | 420 | 800 | 100 | BC850C | BC850CW |
| PNP | 30 | 100 | 4 | 220 | 475 | 100 | BC859B | BC859BW |
| | | | | 420 | 800 | 100 | BC859C | BC859CW |
| | 45 | 100 | 4 | 220 | 475 | 100 | BC860B | BC860BW |
| | | | | 420 | 800 | 100 | BC860C | BC860CW |

General purpose bipolar transistors

Matched pair transistors - part 1

| | | | | | | | Automotive-qualified | | | |
|-----------------------|----------------------|---------------------|---------------------|---------------------|------------------------------------|--|---|--|---|---|
| Package | | | | | | | SOT143B | SOT457 (SC-74) | LFPAK56D (SOT1205) | |
| Size (mm) | | | | | | | 2.9 x 1.3 x 1.0 | 2.9 x 1.5 x 1.0 | 5 x 6 x 1.1 | |
| P _{tot} (mW) | | | | | | | 250 | 750 | 1250 | |
| Polarity | V _{CEO} (V) | I _C (mA) | h _{FE} min | h _{FE} max | h _{FE1} /h _{FE2} | V _{BE1} - V _{BE2} (mV) | | | | |
| NPN | 30 | 100 | 110 | 800 | 0.7 ¹⁾ | n.a. | BCV61/A/B/C | | | |
| | 45 | 100 | 200 | 450 | 0.9 ¹⁾ | 2 | BCM61B | | | |
| | | | | | | | | BCM847DS | | |
| | 80 | 1000 | 63 | 250 | 0.95 | n.a. | | BCM56DS | | |
| | 100 | 3000 | 150 | - | 0.95 | n.a. | | | PHPT610035NK | |
| Configuration | | | | | | |  |  |  |  |
| PNP | 30 | 100 | 100 | 800 | 0.7 ¹⁾ | n.a. | BCV62/A/B/C | | | |
| | 45 | 100 | 200 | 450 | 0.9 ¹⁾ | 2 | BCM62B | | | |
| | | | | | | | | BCM857DS | | |
| | 65 | 100 | 200 | 450 | 0.9 | 2 | | BCM856DS | | |
| | 80 | 1000 | 63 | 250 | 0.95 | n.a. | | BCM53DS | | |
| 100 | 3000 | 150 | - | 0.9 | n.a. | | | PHPT610035PK | | |
| Configuration | | | | | | |  |  |  |  |

¹⁾ I_{C1} / I_{E2}

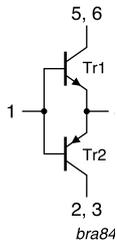
Matched pair transistors - part 2

Types in **bold** represent new products

| | | | | | | | Automotive-qualified | | | | |
|-----------------------|----------------------|---------------------|---------------------|---------------------|------------------------------------|--|---|--|---|---|---|
| Package | | | | | | | SOT353 (SC-88A) | SOT363 (SC-88) | SOT1216 (DFN1010B-6) | | |
| Size (mm) | | | | | | | 2.0 x 1.25 x 0.95 | 2.0 x 1.25 x 0.95 | 1.1 x 1.0 x 0.37 | | |
| P _{tot} (mW) | | | | | | | 300 | 300 | 350 | | |
| Polarity | V _{CEO} (V) | I _C (mA) | h _{FE} min | h _{FE} max | h _{FE1} /h _{FE2} | V _{BE1} - V _{BE2} (mV) | | | | | |
| NPN | 45 | 100 | 200 | 450 | 0.9 ¹⁾ | 2 | | BCM847BS | | | |
| | | | | | 0.95 | 2 | PMP4501G | PMP4501Y | BCM847QAS | PMP4501QAS | |
| | | | | | 0.98 | 2 | PMP4201G | PMP4201Y | | | |
| | 65 | 100 | 200 | 450 | 0.9 | 2 | | BCM846BS | | | |
| | Configuration | | | | | | |  |  |  |  |
| | 40 | 200 | 100 | 300 | 0.98 | 2 | | PMP3906AYS-Q | | | |
| PNP | 45 | 100 | 200 | 450 | 0.9 ¹⁾ | 2 | | BCM857BS | | | |
| | | | | | 0.95 | 2 | PMP5501G | PMP5501Y | BCM857QAS | PMP5501QAS | |
| | | | | | 0.98 | 2 | PMP5201G | PMP5201Y | | | |
| | 65 | 100 | 200 | 450 | 0.9 | 2 | | BCM856BS | | | |
| Configuration | | | | | | |  |  |  |  |  |

¹⁾ I_{C1} / I_{E2}

MOSFET driver

| V_{CE0} (V) | I_c (A) | I_{cm} [A] | Automotive-qualified | | Remark | Configuration |
|---------------|-----------|--------------|----------------------|--|---|---|
| | | | Type | Package | | |
| 30 | 0.1 | 0.2 | BCV65 |  SOT143B | General-purpose transistors |  |
| 40 | 0.6 | 1 | PMD2001D |  SOT457 | Switching transistors with reduced storage time | |
| | 1 | 2 | PMD3001D | | Low V_{CEsat} | |

Medium frequency transistors

| | | | | | | Automotive-qualified | |
|----------------|---------------|------------|--------------|--------------|-----------------|---|---|
| | | | | | | SOT23 | SOT323 (SC-70) |
| Package | | | | | |  |  |
| Size (mm) | | | | | | 2.9 x 1.3 x 1.0 | 2.0 x 1.25 x 0.95 |
| P_{tot} (mW) | | | | | | 250 | 200 |
| Polarity | V_{CE0} (V) | I_c (mA) | h_{FE} min | h_{FE} max | f_T typ (MHz) | | |
| NPN | 15 | 100 | 40 | - | 500 | BF570 | |
| | 20 | 25 | | 85 | >275 | | BFS20 |
| | | 30 | 65 | 225 | 260 | | BFS19 |
| | 40 | 25 | 67 | 220 | 380 | | BF840 |
| PNP | 30 | 25 | 25 | 50 | 250 | BF824 | BF824W |
| | 40 | | 50 | - | >325 | | BF550 |

Low V_{CEsat} transistors single NPN up to 2000 mW

Types in **bold** represent new products

| Package | | | | | | | Automotive-qualified | | | | |
|-----------------------|--------------------|---------------------|-------------------------|----------------------|-----------------------|--|--------------------------|--------------------------|-----------------------------|--------------------------------|---------------------|
| | | | | | | | SOT223 (SC-73) | SOT89 (SC-62) | SOT457 (SC-74) | DFN2020D-3 (SOT1061D) | DFN2020-3 (SOT1061) |
| Size (mm) | | | | | | | 6.5 x 3.5 x 1.65 | 4.5 x 2.5 x 1.5 | 2.9 x 1.5 x 1.0 | 2.0 x 2.0 x 0.62 | 2.0 x 2.0 x 0.62 |
| P _{tot} (mW) | | | | | | | 1700 | 1650 | 750 | 1300 | 1300 |
| V _{CEO} (V) | I _C (A) | I _{CM} (A) | h _{FE} min/typ | @ I _C (A) | @ V _{CE} (V) | V _{CEsat} typ (mV); I _C = 0.5 A; I _B = 0.05 A | | | | | |
| 10 | 3 | 5 | 325 / - | 0.5 | 2 | 25 (max value) | | | | PBSS4310PAS-Q | |
| 12 | 5.3 | 10.6 | 300 / 530 | 0.5 | 2 | 18 | | PBSS301NX (-Q) | | | |
| | 5.8 | 11.6 | 300 / 530 | 0.5 | 2 | 18 | PBSS301NZ | | | | |
| 20 | 3 | 5 | 220 / 390 | 0.5 | 2 | 40 | | PBSS4320X | | | |
| | 4 | 15 | 300 / 450 | 0.5 | 2 | 30 | | | PBSS301ND PBSS4420D (-Q) | | |
| | 5 | 10 | 300 / 450 | 0.5 | 2 | 35 | | PBSS4520X (-Q) | | | |
| | 5.3 | 10.6 | 300 / 570 | 0.5 | 2 | 20 | | PBSS302NX (-Q) | | | |
| | 5.8 | 10.2 | 300 / 570 | 0.5 | 2 | 20 | PBSS302NZ (-Q) | | | | |
| | 6 | 7 | 280 / 440 | 0.5 | 2 | 20 | | | | | PBSS4620PA (-Q) |
| | 7 | 15 | 300 / 550 | 0.5 | 2 | 12 | | PBSS4021NX | | | |
| | 8 | 20 | 300 / 550 | 0.5 | 2 | 9 | PBSS4021NZ (-Q) | | | | |
| 30 | 3 | 5 | 300 / 490 | 0.5 | 2 | 45 | | PBSS4330X | | | |
| | 3 | 5 | 300 / 465 | 0.5 | 2 | 40 | | | | PBSS4330PAS (-Q) ²⁾ | PBSS4330PA |
| | 3.5 | 6 | 300 / 500 | 0.5 | 2 | 70 | | | PBSS4032ND ³⁾ | | |
| | 4.7 | 10 | 300 / 500 | 0.5 | 2 | 57 | | PBSS4032NX ³⁾ | | | |
| | 5.1 | 10.2 | 300 / 480 | 0.5 | 2 | 20 | | PBSS303NX (-Q) | | | |
| | 5.4 | 10 | 300 / 500 | 0.5 | 2 | 57 | PBSS4032NZ ³⁾ | | | | |
| | 5.5 | 11 | 300 / 480 | 0.5 | 2 | 20 | PBSS303NZ | | | | |
| | 6 | 7 | 280 / 450 | 0.5 | 2 | 21 | | | | | PBSS4630PA |
| 40 | 2 | 3 | 300 / - | 0.5 | 5 | 140 | | PBSS4240X | | | |
| | 4 | 15 | 300 / 520 | 0.5 | 2 | 35 | | | PBSS302ND (-Q) | | |
| | | 10 | 300 / 500 | 0.5 | 2 | 21 | | PBSS4540X (-Q) | | | |
| | 5 | 10 | 300 / 500 | 0.5 | 2 | 25 | PBSS4540Z (-Q) | | | | |
| 50 | 2 | 5 | 300 / - | 0.5 | 2 | 90 ²⁾ | | PBSS4250X | | | |
| | 3 | 5 | 200 / 280 | 0.5 | 2 | 65 | | | PBSS4350D (-Q) | | |
| | | | 300 / 460 | 0.5 | 2 | 50 | | PBSS4350X | | PBSS4350PAS (-Q) | |
| 200 / 280 | | | 0.5 | 2 | 60 ¹⁾ | PBSS4350Z (-Q) | | | | | |
| 60 | 1 | 2 | 170 / - | 0.5 | 10 | 200 ²⁾ | | PBSS4160X (-Q) | | | |
| | 3 | 6 | 200 / 360 | 0.5 | 5 | 45 | | | | PBSS4360PAS (-Q) ²⁾ | |
| | | | 200 / - | 0.5 | 5 | 45 | PBSS4360Z (-Q) | PBSS4360X (-Q) | | | |
| | | | 345 / 570 | 0.5 | 2 | 40 | | | PBSS303ND | | |
| | 4.7 | 9.4 | 300 / 520 | 0.5 | 2 | 25 | | PBSS304NX (-Q) | | | |
| | 5.2 | 10.4 | 300 / 520 | 0.5 | 2 | 25 | PBSS304NZ | | | | |
| | 6 | 7 | 280 / 440 | 0.5 | 2 | 22 | | | | | PBSS4560PA |
| | 6.2 | 15 | 300 / 500 | 0.5 | 2 | 17 | | PBSS4041NX | | | |
| 7 | 15 | 300 / 500 | 0.5 | 2 | 13 | PBSS4041NZ (-Q) | | | | | |
| 80 | 3 | 6 | 240 / 360 | 0.5 | 2 | 40 | | | PBSS304ND | | |
| | 4 | 10 | 250 / 400 | 0.5 | 2 | 25 | | PBSS4480X (-Q) | | | |
| | 4.6 | 9.2 | 300 / 470 | 0.5 | 2 | 25 | | PBSS305NX (-Q) | | | |
| | 5.1 | 10.2 | 300 / 470 | 0.5 | 2 | 25 | PBSS305NZ | | | | |
| | 5.6 | 7 | 270 / 425 | 0.5 | 2 | 25 | | | | | PBSS4580PA |
| 100 | 1 | 3 | 150 / 290 | 0.25 | 10 | 75 | | | PBSS8110D | | |
| | | | 150 / 290 | 0.25 | 10 | 73 | | PBSS8110X | | | |
| | | | 150 / 290 | 0.25 | 10 | 73 | PBSS8110Z (-Q) | | | | |
| | 3 | 4 | 170 / 275 | 0.5 | 2 | 45 | | | PBSS305ND | | |
| | 4.5 | 9 | 200 / 330 | 0.5 | 2 | 27 | | PBSS306NX (-Q) | | | |
| | 5.1 | 10.2 | 200 / 330 | 0.5 | 2 | 27 | PBSS306NZ | | | | |
| 5.2 | 6 | 180 / 285 | 0.5 | 2 | 30 | | | | | PBSS8510PA | |

¹⁾ I_C / I_B = 20 ²⁾ V_{CEsat} (max) ³⁾ Optimized for high-speed switching

²⁾ 175°C capable

Low V_{CEsat} transistors single NPN up to 750 mW

| Package | | | | | | | Automotive-qualified | | | | |
|-----------------------|--------------------|---------------------|-------------------------|----------------------|-----------------------|--|----------------------|-------------------|-------------------|----------------------|----------------------|
| | | | | | | | SOT23 | SOT323 (SC-70) | SOT363 (SC-88) | DFN1006B-3 (SOT883B) | DFN1010D-3 (SOT1215) |
| Size (mm) | | | | | | | 2.9 x 1.3 x 1.0 | 2.0 x 1.25 x 0.95 | 2.0 x 1.25 x 0.95 | 1.0 x 0.6 x 0.37 | 1.1 x 1.0 x 0.37 |
| P _{tot} (mW) | | | | | | | 480 | 350 | 430 | 250 | 750 |
| V _{CE0} (V) | I _C (A) | I _{CM} (A) | h _{FE} min/typ | @ I _C (A) | @ V _{CE} (V) | V _{CEsat} typ (mV); I _C = 0.5 A; I _B = 0.05 A | | | | | |
| 15 | 0.5 | 1 | 200 / 325 | 0.01 | 2 | - | | | PBSS2515MB | | |
| 20 | 1 | 3 | 350 / 470 | 0.1 | 2 | 110 ²⁾ | PBSS4120T (-Q) | | | | |
| | 2 | 5 | 220 / 330 | 0.1 | 2 | 45 | PBSS4320T (-Q) | | | | |
| | 4.3 | 8 | 300 / 550 | 0.5 | 2 | 21 | PBSS4021NT (-Q) | | | | |
| 30 | 1 | 1.5 | 230 / 380 | 0.5 | 2 | 90 | | | | PBSS4130QA (-Q) | |
| | | 3 | 300 / 450 | 0.5 | 2 | 120 ²⁾ | PBSS4130T (-Q) | | | | |
| | 2 | 3 | 300 / 450 | 0.5 | 2 | 70 | PBSS4230T (-Q) | | | | |
| | | | 230 / 380 | 0.5 | 2 | 75 | | | | PBSS4230QA (-Q) | |
| 2.6 | 5 | 300 / 500 | 0.5 | 2 | 80 | PBSS4032NT ³⁾ | | | | | |
| 40 | 0.5 | 1 | 200 / 550 | 0.01 | 2 | 200 ²⁾ | | | PBSS2540MB (-Q) | | |
| | | | 300 / 440 | 0.5 | 5 | 130 | | PBSS4140U (-Q) | | | |
| | | | 300 / 510 | 0.5 | 5 | 120 | PMMT491A | | | | |
| | 2 | 3 | 300 / 420 | 0.5 | 5 | 130 | PBSS4140T (-Q) | | | | |
| 350 / 470 | | | 0.1 | 2 | 70 | | PBSS4240Y | | | | |
| 300 / 450 | 0.5 | 2 | 70 | PBSS4240T (-Q) | | | | | | | |
| 50 | 2 | 5 | 300 / 495 | 0.5 | 2 | 60 | PBSS4350T (-Q) | | | | |
| 60 | 1 | 1.5 | 150 / 240 | 0.5 | 2 | 90 | | | | PBSS4160QA (-Q) | |
| | | | 200 / 420 | 0.5 | 5 | 120 | | PBSS4160U (-Q) | | | |
| | | 200 / 350 | 0.5 | 5 | 110 | PBSS4160T (-Q) | | | | | |
| | 2 | 3 | 150 / 240 | 0.5 | 2 | 75 | | | | PBSS4260QA (-Q) | |
| 3.8 | 8 | 300 / 500 | 0.5 | 2 | 29 | PBSS4041NT (-Q) | | | | | |
| 100 | 1 | 3 | 150 / 400 | 0.25 | 10 | 80 | | | PBSS8110Y | | |
| | | | 150 / 300 | 0.25 | 10 | 70 | PBSS8110T (-Q) | | | | |

¹⁾ I_C / I_B = 20 ²⁾ V_{CEsat} (max) ³⁾ Optimized for high-speed switching

Low V_{CEsat} transistors single PNP up to 2000 mW

Types in **bold** represent new products

| Package | | | | | | | Automotive-qualified | | | | |
|-----------------------|--------------------|---------------------|-------------------------|----------------------|-----------------------|--|--------------------------|--------------------------|--------------------------|--------------------------------|---------------------|
| | | | | | | | SOT223 (SC-73) | SOT89 (SC-62) | SOT457 (SC-74) | DFN2020D-3 (SOT1061D) | DFN2020-3 (SOT1061) |
| Size (mm) | | | | | | | 6.5 x 3.5 x 1.65 | 4.5 x 2.5 x 1.5 | 2.9 x 1.5 x 1.0 | 2.0 x 2.0 x 0.62 | 2.0 x 2.0 x 0.62 |
| P _{tot} (mW) | | | | | | | 1700 | 1650 | 750 | 1300 | 1300 |
| V _{CEO} (V) | I _C (A) | I _{CM} (A) | h _{FE} min/typ | @ I _C (A) | @ V _{CE} (V) | V _{CEsat} typ (mV); I _C = 0.5 A; I _B = 0.05 A | | | | | |
| 12 | 5.3 | 10.6 | 250 / 400 | 0.5 | 2 | 20 | | PBSS301PX (-Q) | | | |
| | 5.7 | 11.4 | 250 / 400 | 0.5 | 2 | 20 | PBSS301PZ | | | | |
| 20 | 3 | 5 | 200 / - | 0.5 | 2 | 80 ²⁾ | | | PBSS5320D | | |
| | | | 220 / 450 | 0.5 | 2 | 50 | | PBSS5320X | | | |
| | 4 | 15 | 250 / 400 | 0.5 | 2 | 35 | | | PBSS301PD PBSS5420D | | |
| | | | 300 / 430 | 0.5 | 2 | 45 | | PBSS5520X (-Q) | | | |
| | 5.1 | 10.2 | 250 / 370 | 0.5 | 2 | 25 | | PBSS302PX (-Q) | | | |
| | 5.5 | 11 | 250 / 370 | 0.5 | 2 | 25 | PBSS302PZ | | | | |
| | 6 | 7 | 230 / 345 | 0.5 | 2 | 25 | | | | PBSS5620PA | |
| | 6.2 | 15 | 250 / 400 | 0.5 | 2 | 18 | | PBSS4021PX (-Q) | | | |
| 6.6 | 20 | 250 / 400 | 0.5 | 2 | 16 | PBSS4021PZ (-Q) | | | | | |
| 30 | 2.7 | 5 | 200 / 350 | 0.5 | 2 | 87 | | | PBSS4032PD ³⁾ | | |
| | | | 200 / 380 | 0.5 | 2 | 50 | | PBSS5330X | | | |
| | 3 | 5 | 200 / 320 | 0.5 | 2 | 45 | | | | PBSS5330PAS ²⁾ | PBSS5330PA |
| | | | 200 / 350 | 0.5 | 2 | 70 | | PBSS4032PX ³⁾ | | | |
| | 4.2 | 10 | 200 / 350 | 0.5 | 2 | 70 | | | | | |
| | 4.4 | 10 | 200 / 350 | 0.5 | 2 | 70 | PBSS4032PZ ³⁾ | | | | |
| | 5.1 | 10.2 | 250 / 400 | 0.5 | 2 | 25 | | PBSS303PX (-Q) | | | |
| | 5.3 | 10.6 | 250 / 400 | 0.5 | 2 | 25 | PBSS303PZ | | | | |
| 6 | 7 | 200 / 335 | 0.5 | 2 | 25 | | | | PBSS5630PA | | |
| 40 | 2 | 3 | 215 / - | 0.5 | 5 | 170 | | | PBSS5240X | | |
| | | | 200 / 310 | 0.5 | 2 | 46 | | | PBSS302PD | | |
| | 4 | 10 | 250 / 370 | 0.5 | 2 | 33 | | PBSS5540X (-Q) | | | |
| | | | 250 / 350 | 0.5 | 2 | 40 ¹⁾ | PBSS5540Z (-Q) | | | | |
| 50 | 2 | 5 | 200 / - | 0.5 | 2 | 90 ²⁾ | | | PBSS5250X | PBSS5250PAS (-Q) | |
| | | | 200 / 300 | 0.5 | 2 | 70 | | | PBSS5350D (-Q) | PBSS5350PAS (-Q) | |
| | 3 | 5 | 200 / 375 | 0.5 | 2 | 70 | | PBSS5350X | | | |
| | | | 200 / 300 | 0.5 | 2 | 70 | PBSS5350Z (-Q) | | | | |
| 60 | 3 | 6 | 130 / 220 | 0.5 | 5 | 55 | | | | PBSS5360PAS (-Q) ²⁾ | |
| | | | 130 / - | 0.5 | 5 | 55 | PBSS5360Z (-Q) | PBSS5360X (-Q) | | | |
| | | | 180 / 265 | 0.5 | 2 | 55 | | | PBSS303PD (-Q) | | |
| | 4.2 | 8.4 | 200 / 295 | 0.5 | 2 | 35 | | PBSS304PX (-Q) | | | |
| | 4.5 | 9 | 200 / 295 | 0.5 | 2 | 35 | PBSS304PZ | | | | |
| | 5 | 6 | 170 / 260 | 0.5 | 2 | 35 | | | | PBSS5560PA | |
| | 5 | 15 | 200 / 300 | 0.5 | 2 | 30 | | PBSS4041PX | | | |
| | 5.7 | | 200 / 300 | 0.5 | 2 | 22 | PBSS4041PZ (-Q) | | | | |
| 80 | 3 | 5 | 155 / 225 | 0.5 | 2 | 55 | | | PBSS304PD | | |
| | | | 180 / 265 | 0.5 | 2 | 40 | | | | | PBSS5580PA |
| | 4 | 10 | 200 / 300 | 0.5 | 2 | 35 | | PBSS5480X (-Q) | | | |
| | | | 200 / 280 | 0.5 | 2 | 36 | | PBSS305PX (-Q) | | | |
| 4.5 | 9 | 200 / 280 | 0.5 | 2 | 36 | PBSS305PZ | | | | | |
| 100 | 1 | 3 | 150 / 350 | 0.5 | 5 | 100 | | | PBSS9110D | | |
| | | | 150 / 350 | 0.5 | 5 | 90 | | PBSS9110X | | | |
| | | | 150 / - | 0.5 | 5 | 90 | PBSS9110Z (-Q) | | | | |
| | 2 | 3 | 175 / 275 | 0.5 | 2 | 65 | | | PBSS305PD | | |
| | 2.7 | 4 | 180 / 295 | 0.5 | 2 | 45 | | | | PBSS9410PA | |
| | 3.7 | 7.4 | 200 / 300 | 0.5 | 2 | 45 | | PBSS306PX (-Q) | | | |
| 4.1 | 8.2 | 200 / 300 | 0.5 | 5 | 45 | PBSS306PZ | | | | | |

¹⁾ I_C / I_B = 20 ²⁾ V_{CEsat} (max) ³⁾ Optimized for high-speed switching

²⁾ 175°C capable

Low V_{CEsat} transistors single PNP up to 750 mW

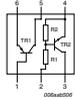
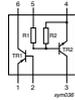
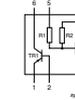
| Package | | | | | | | Automotive-qualified | | | | |
|-----------------------|--------------------|---------------------|-------------------------|----------------------|-----------------------|--|--------------------------|-------------------|-------------------|----------------------|----------------------|
| | | | | | | | SOT23 | SOT323 (SC-70) | SOT363 (SC-88) | DFN1006B-3 (SOT883B) | DFN1010D-3 (SOT1215) |
| Size (mm) | | | | | | | 2.9 x 1.3 x 1.0 | 2.0 x 1.25 x 0.95 | 2.0 x 1.25 x 0.95 | 1.0 x 0.6 x 0.37 | 1.1 x 1.0 x 0.37 |
| P _{tot} (mW) | | | | | | | 480 | 350 | 430 | 250 | 750 |
| V _{CE0} (V) | I _C (A) | I _{CM} (A) | h _{FE} min/typ | @ I _C (A) | @ V _{CE} (V) | V _{CEsat} typ (mV); I _C = 0.5 A; I _B = 0.05 A | | | | | |
| 15 | 0.5 | 1 | 200/260 | 0.01 | 2 | 150 | | | PBSS515MB | | |
| 20 | 1 | 2 | 300/450 | 0.1 | 2 | 125 ²⁾ | PBSS5120T (-Q) | | | | |
| | | 3 | 225/- | 0.5 | 2 | 80 ²⁾ | PBSS5220T (-Q) | | | | |
| | 2 | 5 | 220/420 | 0.5 | 2 | 50 | PBSS5320T (-Q) | | | | |
| 30 | 3.5 | 8 | 250/400 | 0.5 | 2 | 35 | PBSS4021PT (-Q) | | | | |
| | | 1 | 3 | 260/350 | 0.5 | 2 | 110 | PBSS5130T (-Q) | | | |
| | 2 | 3 | 300/450 | 0.1 | 2 | 70 | PBSS5230T (-Q) | | | | |
| 40 | 2.4 | 5 | 200/320 | 0.5 | 2 | 95 | PBSS4032PT ³⁾ | | | | |
| | | 0.5 | 1 | 200/380 | 0.01 | 2 | 220 | | | PBSS3540MB | |
| | 1 | 2 | 300/520 | 0.1 | 5 | 130 | | PBSS5140U (-Q) | | | |
| 50 | 1 | 2 | 300/800 | 0.1 | 5 | 130 | PMMT591A | | | | |
| | | 3 | 300/510 | 0.1 | 5 | 130 | PBSS5140T (-Q) | | | | |
| | 2 | 3 | 300/- | 0.1 | 2 | 110 ²⁾ | | | PBSS5240Y | | |
| 60 | 2 | 3 | 300/450 | 0.1 | 2 | 70 | PBSS5240T (-Q) | | | | |
| | | 2 | 3 | 200/- | 0.5 | 2 | 90 ²⁾ | PBSS5250T (-Q) | | | |
| | 3 | 3 | 200/360 | 0.5 | 2 | 55 | PBSS5250TH (-Q) | | | | |
| 100 | 1 | 3 | 200/360 | 0.5 | 2 | 55 | PBSS5350TH (-Q) | | | | |
| | | 5 | 200/360 | 0.5 | 2 | 55 | PBSS5350T (-Q) | | | | |
| | 1 | 1.5 | 120/185 | 0.5 | 2 | 125 | | | | PBSS5160QA | |
| 60 | 1 | 2 | 150/250 | 0.5 | 5 | 135 | | PBSS5160U | | | |
| | | 2 | 150/250 | 0.5 | 5 | 120 | PBSS5160T (-Q) | | | | |
| 100 | 1.7 | 2.5 | 120/185 | 0.5 | 2 | 105 | | | | PBSS5260QA (-Q) | |
| | | 2.7 | 8 | 200/300 | 0.5 | 2 | 49 | PBSS4041PT (-Q) | | | |
| 100 | 1 | 3 | 150/- | 0.25 | 5 | 93 | | | PBSS9110Y | | |
| | | 3 | 150/350 | 0.5 | 5 | 95 | PBSS9110T (-Q) | | | | |

¹⁾ IC / IB = 20 ²⁾ V_{CEsat} (max) ³⁾ Optimized for high-speed switching

Low V_{CEsat} transistors double

| Package | | | | | | | | | | Automotive-qualified | | | | |
|-------------------------|-----------------------|----------|----------------------------|-------------------------|--------------------------|---|-----------------------------------|-------------------------|-------------------------|---|---|---|---|--------------------|
| | | | | | | | | | | SOT457 (SC-74) | DFN2020-6 (SOT1118) | DFN2020D-6 (SOT1118D) | SOT363 (SC-88) | |
| Size (mm) | | | | | | | | | |  |  |  |  | |
| P _{tot} (mW) | | | | | | | | | | 2.9 x 1.5 x 1.0 | 2.0 x 2.0 x 0.62 | 2.0 x 2.0 x 0.62 | 2.0 x 1.25 x 0.95 | |
| P _{tot} (mW) | | | | | | | | | | 750 | 1300 | 1300 | 430 | |
| V _{CE0} (V) | I _C (A) | Polarity | h _{FE} min/typ | @ I _C (A) | @ V _{CE} (V) | V _{CEsat} typ (mV); I _C = 0.5 A; I _B = 0.05 A | V _{CEsat} max (mV) | @ I _C (A) | @ I _B (A) | | | | | |
| 15 | 0.5 | NPN/PNP | 200 | 0.1 | 2 | - | 250 | 0.5 | 0.05 | | | | PBSS2515YPN (-Q) | |
| 20 | 2 | NPN/NPN | 230 | 0.5 | 2 | 60 | 90 | 0.5 | 0.05 | | | | PBSS4220PANS (-Q) | |
| | 2 | PNP/PNP | 210 | 0.5 | 2 | 70 | 110 | 0.5 | 0.05 | | | | PBSS5220PAPS (-Q) | |
| 30 | 1 | NPN/NPN | 210 | 0.5 | 2 | 75 | 100 | 0.5 | 0.05 | | | PBSS4130PAN (-Q) | | |
| | | PNP/PNP | 170 | 0.5 | 2 | 85 | 140 | 0.5 | 0.05 | | | PBSS5130PAP (-Q) | | |
| | | NPN/PNP | 210 / 170 | 0.5 | 2 | 75 / 85 | 100 / 140 | 0.5 | 0.05 | | | PBSS4130PANP (-Q) | | |
| | 2 | NPN/NPN | 230 | 0.5 | 2 | 60 | 80 | 80 | 0.5 | 0.05 | | | PBSS4230PAN (-Q) | |
| | | PNP/PNP | 210 | 0.5 | 2 | 75 | 110 | 110 | 0.5 | 0.05 | | | PBSS5230PAP (-Q) | |
| | | NPN/PNP | 230 / 210 | 0.5 | 2 | 60 / 75 | 80 / 100 | 80 / 100 | 0.5 | 0.05 | | | PBSS4230PANP | |
| 40 | 1 | NPN/PNP | 300 / 250 | 0.5 | 5 | 130 / 150 | 500 | 1 | 0.1 | | | PBSS4140DPN (-Q) | | |
| | 2 | NPN/PNP | 300 / 250 | 0.5 | 5 | 80 / 100 | 400 / 530 | 2 | 0.2 | | | PBSS4240DPN | | |
| 55 | 2 | PNP/PNP | 140 / 200 | 0.5 | 2 | 80 / 120 | 300 / 450 | 2 | 0.2 | | | | PBSS5255PAPS (-Q) | |
| 60 | 1 | 2 x NPN | 200 | 0.5 | 5 | 115 | 250 | 1 | 0.1 | | | PBSS4160DS (-Q) | | |
| | | 2 x PNP | 150 | 0.5 | 5 | 120 | 330 | 1 | 0.1 | | | PBSS5160DS (-Q) | | |
| | | NPN/PNP | 200 / 150 | 0.5 | 5 | 115 / 120 | 250 / 330 | 1 | 0.1 | | | PBSS4160DPN | | |
| | 1 | NPN/NPN | 150 | 0.5 | 2 | 90 | 120 | 120 | 0.5 | 0.05 | | | PBSS4160PAN (-Q) | PBSS4160PANS (-Q) |
| | | PNP/PNP | 120 | 0.5 | 2 | 125 | 180 | 180 | 0.5 | 0.05 | | | PBSS5160PAP (-Q) | PBSS5160PAPS (-Q) |
| | | NPN/PNP | 150 / 120 | 0.5 | 2 | 90 / 125 | 120 / 180 | 120 / 180 | 0.5 | 0.05 | | | PBSS4160PANP (-Q) | PBSS4160PANPS |
| | 2 | NPN/NPN | 210 | 0.5 | 2 | 70 | 90 | 90 | 0.5 | 0.05 | | | PBSS4260PAN (-Q) | PBSS4260PANS (-Q) |
| | | PNP/PNP | 140 | 0.5 | 2 | 100 | 140 | 140 | 0.5 | 0.05 | | | PBSS5260PAP (-Q) | PBSS5260PAPS (-Q) |
| | | NPN/PNP | 210 / 140 | 0.5 | 2 | 70 / 100 | 90 / 140 | 90 / 140 | 0.5 | 0.05 | | | PBSS4260PANP (-Q) | PBSS4260PANPS (-Q) |
| 120 | 1 | NPN/NPN | 240 | 0.1 | 2 | 90 | 120 | 0.5 | 0.05 | | | PBSS4112PAN (-Q) | | |
| | | PNP/PNP | 190 | 0.1 | 2 | 150 | 220 | 0.5 | 0.05 | | | PBSS5112PAP | | |
| | | NPN/PNP | 240 / 190 | 0.1 | 2 | 90 / 150 | 120 / 220 | 0.5 | 0.05 | | | PBSS4112PANP (-Q) | | |

Low V_{CEsat} transistors load switches

| Package | | | | Automotive-qualified | | |
|-----------------------|--------------------|--|-------------|---|---|---|
| | | | | SOT457 (SC-74) | SOT363 (SC-88) | |
| Size (mm) | | | | 2.9 x 1.5 x 1.0 | | 2.0 x 1.25 x 0.95 |
| P _{tot} (mW) | | | | 750 ¹⁾ | | 600 ¹⁾ |
| V _{CE0} (V) | I _C (A) | V _{CEsat} max (mV); I _C = 0.5 A; I _B = 0.05 A | R1, R2 (kΩ) |  |  |  |
| 15 | 0.5 | 250 | 2.2 | | | PBLS1501Y |
| | | | 4.7 | | | PBLS1502Y |
| | | | 10 | | | PBLS1503Y |
| | | | 22 | | | PBLS1504Y (-Q) |
| 20 | 1 | 150 | 2.2 | | PBLS2001D | |
| | | | 4.7 | | PBLS2002D | |
| | | | 10 | | PBLS2003D | |
| | | | 22 | | PBLS2004D | |
| | 1.8 | 70 | 2.2 | PBLS2021D | | |
| | | | 4.7 | PBLS2022D | | |
| | | | 10 | PBLS2023D | | |
| | | | 22 | PBLS2024D | | |
| 40 | 0.5 | 350 | 2.2 | | | PBLS4001Y |
| | | | 4.7 | | | PBLS4002Y (-Q) |
| | | | 10 | | | PBLS4003Y (-Q) |
| | | | 22 | | | PBLS4004Y |
| | | | 47 | | | PBLS4005Y (-Q) |
| | 1 | 170 | 2.2 | | PBLS4001D | |
| | | | 4.7 | | PBLS4002D | |
| | | | 10 | | PBLS4003D | |
| | | | 22 | | PBLS4004D | |
| | | | 47 | | PBLS4005D | |
| 60 | 1 | 180 | 2.2 | | PBLS6001D | |
| | | | 4.7 | | PBLS6002D (-Q) | |
| | | | 10 | | PBLS6003D (-Q) | |
| | | | 22 | | PBLS6004D | |
| | | | 47 | | PBLS6005D | |
| | 1.5 | 100 | 2.2 | PBLS6021D (-Q) | | |
| | | | 4.7 | PBLS6022D (-Q) | | |
| | | | 10 | PBLS6023D (-Q) | | |
| | | | 22 | PBLS6024D (-Q) | | |

¹⁾ Device mounted on a ceramic PCB, Al₂O₃, standard footprint
²⁾ Device mounted on an FR4 PCB, single-sided copper, tin-plated, and standard footprint

Low V_{CEsat} high voltage transistors

| Package | | | | | Automotive-qualified | | | |
|----------------|---------------------|-----------|----------------|----------------|----------------------|-----------------|----------------------|------------------|
| | | | | | SOT223 (SC-73) | SOT89 (SC-62) | DFN1010D-3 (SOT1215) | SOT23 |
| Size (mm) | | | | | 6.5 x 3.5 x 1.65 | 4.5 x 2.5 x 1.5 | 1.1 x 1.0 x 0.37 | 2.9 x 1.3 x 1.0 |
| P_{tot} (mW) | | | | | 1700 | 1300 | 750 | 250 |
| Polarity | V_{CE0} [max] (V) | I_c (A) | h_{FE} [min] | h_{FE} [max] | | | | |
| NPN | 150 | 0.5 | 100 | | | | PBHV8515QA | |
| | | 1 | 70 | 300 | | | | PBHV8115TLH (-Q) |
| | | | 100 | | | | PBHV8115T (-Q) | |
| | | 2 | | | | | PBHV8115X (-Q) | |
| | | | | | | | PBHV8115Z (-Q) | |
| | | | | | | PBHV8215Z (-Q) | | |
| | 180 | 1 | 100 | | | | PBHV8118T (-Q) | |
| | 400 | 0.5 | 100 | | | PBHV8540Z (-Q) | PBHV8540X (-Q) | PBHV8540T (-Q) |
| | | 1 | 100 | | | PBHV8140Z (-Q) | | |
| | 500 | 0.15 | 50 | | | | PBHV8550X (-Q) | |
| | 600 | 0.1 | 70 | | | PBHV2160Z (-Q) | | |
| | | 0.5 | 70 | | | PBHV8560Z (-Q) | | |
| 140 | 4 | 100 | | | PBHV9414Z (-Q) | | | |
| PNP | 150 | 0.5 | 100 | | | | PBHV9515QA | |
| | | 1 | 70 | 300 | | | | PBHV9115TLH (-Q) |
| | | | 100 | | | | PBHV9115T (-Q) | |
| | | 2 | | | | | PBHV9115X (-Q) | |
| | | | | | | | PBHV9115Z (-Q) | |
| | | | | | | PBHV9215Z (-Q) | | |
| | 400 | 0.25 | 100 | | | | PBHV9040X (-Q) | PBHV9040T (-Q) |
| | | 0.5 | 100 | | | PBHV9040Z (-Q) | | |
| | | | 140 | 450 | | | PBHV9540X (-Q) | |
| | 500 | 0.15 | 100 | | | | | PBHV9050T (-Q) |
| | | 0.25 | 100 | | | PBHV9050Z (-Q) | | |
| | 600 | 0.1 | 70 | | | PBHV3160Z (-Q) | | |
| 0.5 | | 70 | | | PBHV9560Z (-Q) | | | |

Low V_{CEsat} transistors PNP - N-channel MOSFET combination

| Package | | | | | | | | | | | | Automotive-qualified |
|----------------|-----------|--------------|--------------|--------------|----------------|-------------------------------|--------------|--------------|-----------|------------------------------|-------------|----------------------|
| | | | | | | | | | | | | DFN2020-6 (SOT1118) |
| Size (mm) | | | | | | | | | | | | 2.0 x 2.0 x 0.62 |
| P_{tot} (mW) | | | | | | | | | | | | 1300 |
| V_{CE0} (V) | I_c (A) | h_{FE} min | h_{FE} max | @ I_c (mA) | @ V_{CE} (V) | R_{CEsat} typ (m Ω) | V_{DS} (V) | V_{GS} (V) | I_D (A) | R_{Dson} typ (m Ω) | | |
| 40 | 2 | 300 | 800 | 100 | 5 | 240 | 30 | 0.7 | 0.66 | 390 | PBSM5240PF | |
| | | 100 | - | 100 | 5 | 240 | 30 | 0.7 | 0.66 | 390 | PBSM5240PFH | |

Low V_{CEsat} power transistors single (175 °C capable)

| Package | | | | | | | | LFPAK56 (SOT669) |
|----------------|-----------|--------------------|------------------|-------------|----------------|----------|----------------------|---|
| | | | | | | | |  |
| Size (mm) | | | | | | | | 5 x 6 x 1.1 |
| P_{tot} (mW) | | | | | | | | 1250 |
| V_{CEO} (V) | I_C (A) | I_{CM} [max] (A) | h_{FE} min/typ | @ I_C (A) | @ V_{CE} (V) | Polarity | Automotive-qualified | |
| 40 | 6 | 14 | 230 / 350 | 0.5 | 2 | NPN | Yes | PHPT60406NY (-Q) |
| | | 12 | 210 / 300 | 0.5 | 2 | PNP | Yes | PHPT60406PY (-Q) |
| | 10 | 20 | 230 / 370 | 0.5 | 2 | NPN | Yes | PHPT60410NY (-Q) |
| | | | 240 / 350 | 0.5 | 2 | PNP | Yes | PHPT60410PY (-Q) |
| | 15 | 30 | 250 / 410 | 0.5 | 2 | NPN | Yes | PHPT60415NY (-Q) |
| | | | 200 / 340 | 0.5 | 2 | PNP | Yes | PHPT60415PY (-Q) |
| 60 | 3 | 8 | 200 / 400 | 0.5 | 2 | NPN | Yes | PHPT60603NY (-Q) |
| | | | 250 / 250 | 0.5 | 2 | PNP | Yes | PHPT60603PY (-Q) |
| | 6 | 14 | 240 / 390 | 0.5 | 2 | NPN | Yes | PHPT60606NY (-Q) |
| | | | 120 / 200 | 0.5 | 2 | PNP | Yes | PHPT60606PY (-Q) |
| | 10 | 20 | 240 / 410 | 0.5 | 2 | NPN | Yes | PHPT60610NY (-Q) |
| | | | 120 / 215 | 0.5 | 2 | PNP | Yes | PHPT60610PY (-Q) |
| 100 | 2 | 6 | 150 / 250 | 0.5 | 10 | NPN | No | PHPT61002NYC (-Q) |
| | | | 150 / 220 | 0.5 | 10 | PNP | No | PHPT61002PYC (-Q) |
| | | | 120 / 220 | 0.5 | 10 | NPN | No | PHPT61002NYCLH (-Q) |
| | | | 100 / 180 | 0.5 | 10 | PNP | No | PHPT61002PYCLH (-Q) |
| | 3 | 8 | 150 / 250 | 0.5 | 10 | NPN | Yes | PHPT61003NY (-Q) |
| | | | 150 / 220 | 0.5 | 10 | PNP | Yes | PHPT61003PY (-Q) |
| | 6 | 12 | 140 / 260 | 0.5 | 2 | NPN | Yes | PHPT61006NY (-Q) |
| | | | 170 / 305 | 0.5 | 2 | PNP | Yes | PHPT61006PY (-Q) |
| | 10 | 20 | 150 / 275 | 0.5 | 2 | NPN | Yes | PHPT61010NY (-Q) |
| | | | 180 / 330 | 0.5 | 2 | PNP | Yes | PHPT61010PY (-Q) |

Low V_{CEsat} power transistors double (175 °C capable)

| Package | | | | | | | | | | | | Automotive-qualified |
|----------------|-----------|--------------|--------------|-------------|----------------|---|----------------------|-------------|-------------|----------|-------------------|---|
| | | | | | | | | | | | | LFPAK56D (SOT1205) |
| | | | | | | | | | | | |  |
| Size (mm) | | | | | | | | | | | | 5 x 6 x 1.1 |
| P_{tot} (mW) | | | | | | | | | | | | 1250 |
| V_{CEO} (V) | I_C (A) | I_{CM} (A) | h_{FE} typ | @ I_C (A) | @ V_{CE} (V) | V_{CEsat} typ (mV); $I_C = 0.5$ A; $I_B = 0.05$ A | V_{CEsat} max (mV) | @ I_C (A) | @ I_B (A) | Polarity | h_{FE1}/h_{FE2} | |
| 100 | 3 | 6 | 150 | 0.5 | 10 | 50 | 300 | 3 | 0.2 | 2XNPN | - | PHPT610030NK (-Q) |
| | | | 220 | | | 70 | 400 | 3 | 0.2 | 2XPNP | - | PHPT610030PK (-Q) |
| | | | 250 | | | 50 / 70 | 300 / 400 | 3 | 0.2 | NPN/PNP | - | PHPT610030NPK (-Q) |
| | | | 250 | | | 50 | 300 | 3 | 0.2 | 2XNPN | 0.95 | PHPT610035NK (-Q) |
| | | | 220 | | | | 400 | 3 | 0.2 | 2XPNP | 0.9 | PHPT610035PK (-Q) |

Resistor equipped transistors (RETs)

50 V/100 mA single NPN RETs

Types in **bold** represent new products

| Package | | | | | Automotive-qualified | | | | | |
|-----------------------|---------------------|---------------|---------|---------|----------------------|-------------------|----------------------|----------------------|-----------------------|-----------|
| | | | | | SOT23 | SOT323 (SC-70) | DFN1412D-3 (SOT8009) | DFN1110D-3 (SOT8015) | DFN1006-3 (SOT883) | |
| | | | | | Leaded SMD | | DFN | | | |
| Size (mm) | | | | | 2.9 x 1.3 x 1.0 | 2.0 x 1.25 x 0.95 | 1.4 x 1.2 x 0.47 | 1.1 x 1.0 x 0.47 | 1.0 x 0.6 x 0.5 | |
| P _{tot} (mW) | | | | | 250 | 200 | 360 | 340 | 250 | |
| V _{CE0} (V) | I _C (mA) | Configuration | R1 (kΩ) | R2 (kΩ) | NPN | | | | | |
| 50 | 100 | R1 = R2 | 2.2 | 2.2 | PDTC123ET (-Q) | PDTC123EU (-Q) | | | PDTC123EM | |
| | | | 4.7 | 4.7 | PDTC143ET (-Q) | PDTC143EU (-Q) | PDTC143EQC (-Q) | PDTC143EQB (-Q) | PDTC143EM | |
| | | | 10 | 10 | PDTC114ET (-Q) | PDTC114EU (-Q) | PDTC114EQC (-Q) | PDTC114EQB (-Q) | PDTC114EM (-Q) | |
| | | | 22 | 22 | PDTC124ET (-Q) | PDTC124EU (-Q) | PDTC124EQC (-Q) | PDTC124EQB (-Q) | PDTC124EM | |
| | | | 47 | 47 | PDTC144ET (-Q) | PDTC144EU (-Q) | PDTC144EQC (-Q) | PDTC144EQB (-Q) | PDTC144EM (-Q) | |
| | | | 100 | 100 | PDTC115ET (-Q) | PDTC115EU (-Q) | | | PDTC115EM (-Q) | |
| | | R1 ≠ R2 | 2.2 | 10 | PDTC123YT (-Q) | PDTC123YU (-Q) | | | PDTC123YQB(-Q) | PDTC123YM |
| | | | 2.2 | 47 | PDTC123JT (-Q) | PDTC123JU (-Q) | PDTC123JQC (-Q) | PDTC123JQB (-Q) | PDTC123JM | |
| | | | 4.7 | 10 | PDTC143XT (-Q) | PDTC143XU (-Q) | PDTC143XQC (-Q) | PDTC143XQB (-Q) | PDTC143XM | |
| | | | 4.7 | 47 | PDTC143ZT (-Q) | PDTC143ZU (-Q) | PDTC143ZQC (-Q) | PDTC143ZQB (-Q) | PDTC143ZM (-Q) | |
| | | | 10 | 47 | PDTC114YT (-Q) | PDTC114YU (-Q) | PDTC114YQC (-Q) | PDTC114YQB (-Q) | PDTC114YM (-Q) | |
| | | | 22 | 47 | PDTC124XT (-Q) | PDTC124XU (-Q) | PDTC124XQC (-Q) | PDTC124XQB (-Q) | PDTC124XM | |
| | | | 47 | 10 | PDTC144VT (-Q) | PDTC144VU (-Q) | | | PDTC144VM | |
| | | | 47 | 22 | PDTC144WT (-Q) | PDTC144WU (-Q) | | | PDTC144WM | |
| | | Only R1 | 2.2 | - | PDTC123TT (-Q) | PDTC123TU | | | PDTC123TM | |
| | | | 4.7 | - | PDTC143TT (-Q) | PDTC143TU (-Q) | | | PDTC143TM (-Q) | |
| | | | 10 | - | PDTC114TT (-Q) | PDTC114TU (-Q) | | | PDTC114TM | |
| | | | 22 | - | PDTC124TT | PDTC124TU | | | PDTC124TM | |
| | | | 47 | - | PDTC144TT | PDTC144TU (-Q) | | | PDTC144TM | |
| | | | 100 | - | PDTC115TT | PDTC115TU | | | PDTC115TM | |

50 V/100 mA single PNP RETs

Types in **bold** represent new products

| Package | | | | | Automotive-qualified | | | | |
|-----------------------|---------------------|---------------|-----------|----------------|---|---|--|---|---|
| | | | | | SOT23 | SOT323 (SC-70) | DFN1412D-3 (SOT8009) | DFN1110D-3 (SOT8015) | DFN1006-3 (SOT883) |
| | | | | | Leaded SMD | | DFN | | |
| | | | | |  |  |  |  |  |
| Size (mm) | | | | | 2.9 x 1.3 x 1.0 | 2.0 x 1.25 x 0.95 | 1.4 x 1.2 x 0.47 | 1.1 x 1.0 x 0.47 | 1.0 x 0.6 x 0.5 |
| P _{tot} (mW) | | | | | 250 | 200 | 360 | 340 | 250 |
| V _{CEO} (V) | I _C (mA) | Configuration | R1 (kΩ) | R2 (kΩ) | PNP | | | | |
| 50 | 100 | R1 = R2 | 1 | 1 | PDTA113ET | PDTA113EU | | | PDTA113EM |
| | | | 2.2 | 2.2 | PDTA123ET (-Q) | PDTA123EU (-Q) | | | PDTA123EM |
| | | | 4.7 | 4.7 | PDTA143ET (-Q) | PDTA143EU (-Q) | PDTA143EQC (-Q) | PDTA143EQB (-Q) | PDTA143EM |
| | | | 10 | 10 | PDTA114ET (-Q) | PDTA114EU (-Q) | PDTA114EQC (-Q) | PDTA114EQB (-Q) | PDTA114EM |
| | | | 22 | 22 | PDTA124ET (-Q) | PDTA124EU (-Q) | PDTA124EQC (-Q) | PDTA124EQB (-Q) | PDTA124EM |
| | | | 47 | 47 | PDTA144ET (-Q) | PDTA144EU (-Q) | PDTA144EQC (-Q) | PDTA144EQB (-Q) | PDTA144EM |
| | | | 100 | 100 | PDTA115ET (-Q) | PDTA115EU (-Q) | | | PDTA115EM |
| | | R1 ≠ R2 | 1 | 10 | PDTA113ZT (-Q) | PDTA113ZU (-Q) | | | PDTA113ZM |
| | | | 2.2 | 10 | PDTA123YT (-Q) | PDTA123YU (-Q) | | PDTA123YQB(-Q) | PDTA123YM |
| | | | 2.2 | 47 | PDTA123JT (-Q) | PDTA123JU (-Q) | PDTA123JQC (-Q) | PDTA123JQB (-Q) | PDTA123JM |
| | | | 4.7 | 10 | PDTA143XT (-Q) | PDTA143XU | PDTA143XQC (-Q) | PDTA143XQB (-Q) | PDTA143XM |
| | | | 4.7 | 47 | PDTA143ZT (-Q) | PDTA143ZU (-Q) | PDTA143ZQC (-Q) | PDTA143ZQB (-Q) | PDTA143ZM |
| | | | 10 | 47 | PDTA114YT (-Q) | PDTA114YU (-Q) | PDTA114YQC (-Q) | PDTA114YQB (-Q) | PDTA114YM |
| | | | 22 | 47 | PDTA124XT (-Q) | PDTA124XU (-Q) | | PDTA124XQC (-Q) | PDTA124XM |
| | | | 47 | 10 | PDTA144VT (-Q) | PDTA144VU | | | PDTA144VM |
| | | 47 | 22 | PDTA144WT (-Q) | PDTA144WU (-Q) | | | PDTA144WM | |
| | | Only R1 | 2.2 | - | PDTA123TT | PDTA123TU | | | PDTA123TM |
| | | | 4.7 | - | PDTA143TT | PDTA143TU (-Q) | | | PDTA143TM |
| | | | 10 | - | PDTA114TT | PDTA114TU (-Q) | | | PDTA114TM |
| | | | 22 | - | PDTA124TT | PDTA124TU | | | PDTA124TM |
| | | | 47 | - | PDTA144TT | PDTA144TU | | | PDTA144TM |
| 100 | - | | PDTA115TT | PDTA115TU | | | PDTA115TM | | |

Resistor equipped transistors (RETs)

50 V/100 mA double RETs

| Package | | | | | Automotive-qualified | | | | | | | | | | |
|-----------------------|---------------------|---------------|---------|---------|----------------------|-----------|-----------|---------------------|-----------|-----------|-------------------|-------------|-------------|-------------|------------|
| | | | | | DFN1010B-6 (SOT1216) | | | DFN1412-6 (SOT1268) | | | SOT363 (SC-88) | | | | |
| Size (mm) | | | | | 1.1 x 1.0 x 0.37 | | | 1.4 x 1.2 x 0.5 | | | 2.0 x 1.25 x 0.95 | | | | |
| P _{tot} (mW) | | | | | 350 | | | 480 | | | 300 | | | | |
| V _{CEO} (V) | I _c (mA) | Configuration | R1 (kΩ) | R2 (kΩ) | NPN / NPN | NPN / PNP | PNP / PNP | NPN / NPN | NPN / PNP | PNP / PNP | NPN / NPN | NPN / PNP | PNP / PNP | | |
| 50 | 100 | R1 = R2 | 2.2 | 2.2 | | | | | | | | PUMH20 (-Q) | PUMD20 (-Q) | PUMB20 | |
| | | | 4.7 | 4.7 | | | | | | | | | PUMH15 (-Q) | PUMD15 (-Q) | PUMB15 |
| | | | 10 | 10 | PQMH11 | PQMD3 | PQMB11 | PRMH11 | PRMD3 | PRMB11 | PUMH11 (-Q) | PUMD3 (-Q) | PUMB11 (-Q) | | |
| | | | 22 | 22 | | PQMD2 | | | PRMD2 | | PUMH1 (-Q) | PUMD2 (-Q) | PUMB1 (-Q) | | |
| | | | 47 | 47 | PQMH2 | PQMD12 | | PRMH2 | PRMD12 | | PUMH2 (-Q) | PUMD12 (-Q) | PUMB2 (-Q) | | |
| | | | 100 | 100 | | | | | | | PUMH24 (-Q) | PUMD24 (-Q) | PUMB24 | | |
| | | R1 ≠ R2 | 2.2 | 47 | PQMH10 | PQMD10 | | PRMH10 | PRMD10 | | PUMH10 (-Q) | PUMD10 (-Q) | PUMB10 | | |
| | | | 4.7 | 10 | | | | | | | PUMH18 (-Q) | PUMD18 (-Q) | PUMB18 | | |
| | | | 4.7 | 47 | PQMH13 | PQMD13 | | PRMH13 | PRMD13 | | PUMH13 (-Q) | PUMD13 (-Q) | PUMB13 (-Q) | | |
| | | | 10 | 47 | PQMH9 | | | PRMH9 | | | PUMH9 (-Q) | PUMD9 (-Q) | PUMD9 (-Q) | PUMB9 (-Q) | |
| | | | 22 | 47 | | PQMD16 | | | PRMD16 | | PUMH16 (-Q) | PUMD16 (-Q) | PUMB16 | | |
| | | | 47 | 22 | | | | | | | PUMH17 | PUMD17 (-Q) | PUMB17 (-Q) | | |
| | | 47 / 2.2 | 47 / 47 | | | | | | | | PUMD48 (-Q) | | | | |
| | | Only R1 | 2.2 | - | | | | | | | | | PUMH30 (-Q) | PUMD30 | PUMB30 |
| | | | 4.7 | - | | | | | | | | | PUMH7 (-Q) | PUMD6 (-Q) | PUMB3 (-Q) |
| 10 | - | | | | | | | | | | PUMH4 (-Q) | PUMD4 (-Q) | PUMB4 (-Q) | | |
| 22 | - | | | | | | | | | | PUMH19 | PUMD19 | PUMB19 (-Q) | | |
| 47 | - | | | | | | | | | | PUMH14 (-Q) | PUMD14 | PUMB14 | | |

80 V/100 mA single/double RETs

| Package | | | | | Automotive-qualified | | | | | | | |
|-----------------------|---------------------|---------------|---------|---------|----------------------|-----------------|-------------------|-----------------|-------------------|--------------|--------------|--|
| | | | | | SOT23 | | SOT323 (SC-70) | | SOT363 (SC-88) | | | |
| Size (mm) | | | | | 2.9 x 1.3 x 1.0 | | 2.0 x 1.25 x 0.95 | | 2.0 x 1.25 x 0.95 | | | |
| P _{tot} (mW) | | | | | 250 | | 200 | | 300 | | | |
| V _{CEO} (V) | I _c (mA) | Configuration | R1 (kΩ) | R2 (kΩ) | NPN | PNP | NPN | PNP | NPN / NPN | NPN / PNP | PNP / PNP | |
| 80 | 100 | R1 = R2 | 10 | 10 | NHDTC114ET (-Q) | NHDTA114ET (-Q) | NHDTC114EU (-Q) | NHDTA114EU (-Q) | NHUMH11 (-Q) | NHUMD3 (-Q) | NHUMB11 (-Q) | |
| | | | 22 | 22 | NHDTC124ET (-Q) | NHDTA124ET (-Q) | NHDTC124EU (-Q) | NHDTA124EU (-Q) | NHUMH1 (-Q) | NHUMD2 (-Q) | NHUMB1 (-Q) | |
| | | | 47 | 47 | NHDTC144ET (-Q) | NHDTA144ET (-Q) | NHDTC144EU (-Q) | NHDTA144EU (-Q) | NHUMH2 (-Q) | NHUMD12 (-Q) | NHUMB2 (-Q) | |
| | | R1 ≠ R2 | 2.2 | 47 | NHDTC123JT (-Q) | NHDTA123JT (-Q) | NHDTC123JU (-Q) | NHDTA123JU (-Q) | NHUMH10 (-Q) | NHUMD10 (-Q) | NHUMB10 (-Q) | |
| | | | 4.7 | 47 | NHDTC143ZT (-Q) | NHDTA143ZT (-Q) | NHDTC143ZU (-Q) | NHDTA143ZU (-Q) | NHUMH13 (-Q) | NHUMD13 (-Q) | NHUMB13 (-Q) | |
| | | | 10 | 47 | NHDTC114YT (-Q) | NHDTA114YT (-Q) | NHDTC114YU (-Q) | NHDTA114YU (-Q) | NHUMH9 (-Q) | NHUMD9 (-Q) | NHUMB9 (-Q) | |

50 V/500 mA single RETs

| Package | | | | | Automotive-qualified | | | | | |
|-----------------------|---------------------|---------------|---------|---------|----------------------|----------------|-------------------|----------------|----------------------|------------|
| | | | | | SOT23 | | SOT323 (SC-70) | | DFN1010D-3 (SOT1215) | |
| Size (mm) | | | | | 2.9 x 1.3 x 1.0 | | 2.0 x 1.25 x 0.95 | | 1.1 x 1.0 x 0.37 | |
| P _{tot} (mW) | | | | | 250 | | 200 | | 750 | |
| V _{CEO} (V) | I _C (mA) | Configuration | R1 (kΩ) | R2 (kΩ) | NPN | PNP | NPN | PNP | NPN | PNP |
| 50 | 500 | R1 = R2 | 1 | 1 | PDTD113ET (-Q) | PDTB113ET (-Q) | PDTD113EU (-Q) | PDTB113EU (-Q) | PDTD113EQA | PDTB113EQA |
| | | | 2.2 | 2.2 | PDTD123ET (-Q) | PDTB123ET (-Q) | PDTD123EU (-Q) | PDTB123EU (-Q) | PDTD123EQA | PDTB123EQA |
| | | | 4.7 | 4.7 | PDTD143ET (-Q) | PDTB143ET (-Q) | PDTD143EU (-Q) | PDTB143EU (-Q) | PDTD143EQA | PDTB143EQA |
| | | | 10 | 10 | PDTD114ET (-Q) | PDTB114ET (-Q) | PDTD114EU (-Q) | PDTB114EU (-Q) | PDTD114EQA | PDTB114EQA |
| | | R1 ≠ R2 | 1 | 10 | PDTD113ZT (-Q) | PDTB113ZT (-Q) | PDTD113ZU (-Q) | PDTB113ZU (-Q) | PDTD113ZQA | PDTB113ZQA |
| | | | 2.2 | 10 | PDTD123YT (-Q) | PDTB123YT (-Q) | PDTD123YU (-Q) | PDTB123YU (-Q) | PDTD123YQA | PDTB123YQA |
| | | | 4.7 | 10 | PDTD143XT (-Q) | PDTB143XT (-Q) | PDTD143XU (-Q) | PDTB143XU (-Q) | PDTD143XQA | PDTB143XQA |
| | | Only R1 | 2.2 | - | PDTD123TT (-Q) | PDTB123TT (-Q) | | | | |

50 V/500 mA double RETs

Types in **bold** represent new products

| Package | | | | | Automotive-qualified | | | | | | | | |
|-----------------------|---------------------|---------------|---------|---------|----------------------|-------------|-------------|-----------------------|--------------------|--------------------|---------------------|-----------|-----------|
| | | | | | SOT457 (SC-74) | | | DFN2020D-6 (SOT1118D) | | | DFN2020-6 (SOT1118) | | |
| Size (mm) | | | | | 2.9 x 1.5 x 1.0 | | | 2.0 x 2.0 x 0.62 | | | 2.0 x 2.0 x 0.62 | | |
| P _{tot} (mW) | | | | | 750 | | | 500 | | | 500 | | |
| V _{CEO} (V) | I _C (mA) | Configuration | R1 (kΩ) | R2 (kΩ) | NPN/NPN | NPN / PNP | PNP / PNP | NPN / NPN | NPN / PNP | PNP / PNP | NPN / NPN | NPN / PNP | PNP / PNP |
| 50 | 500 | R1 ≠ R2 | 1 | 10 | PIMN31 | PIMC31 | PIMP31 (-Q) | PIMN31PAS-Q | PIMC31PAS-Q | PIMP31PAS-Q | PIMN31PA | PIMC31PA | PIMP31PA |
| | | | 2.2 | 10 | PIMN32 (-Q) | PIMC32 (-Q) | PIMP32 (-Q) | PIMN32PAS-Q | PIMC32PAS-Q | PIMP32PAS-Q | PIMN32PA | PIMC32PA | PIMP32PA |

40V/600 mA Performance-based single RETs

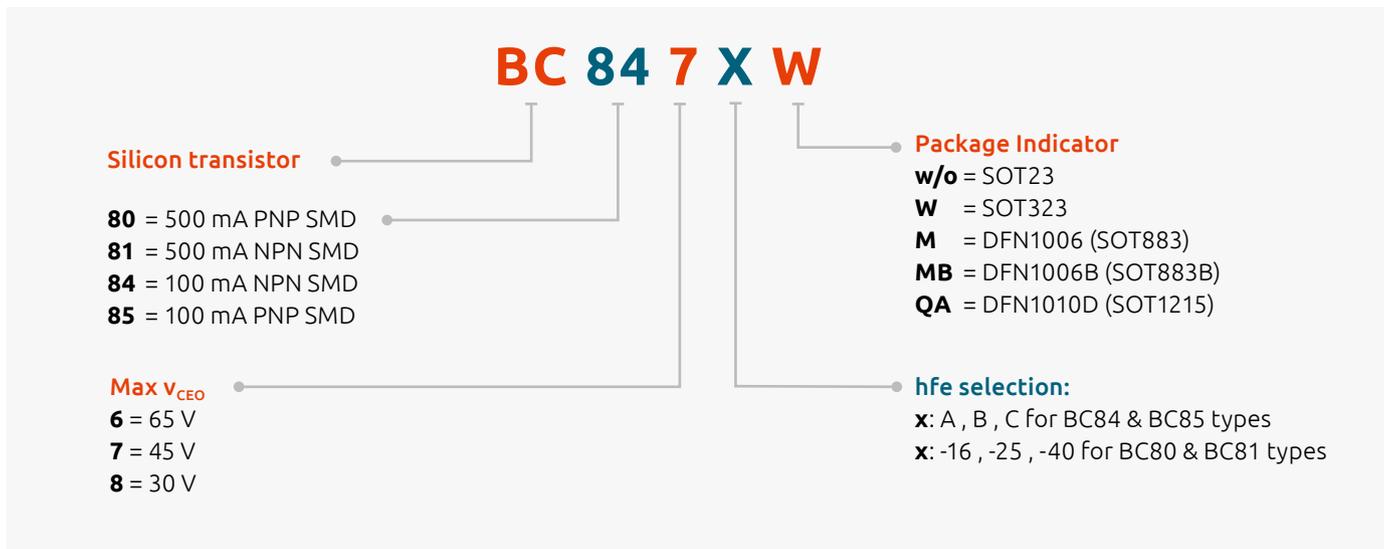
| Package | | | | | Automotive-qualified | |
|-----------------------|---------------------|---------------|---------|---------|----------------------|----------------|
| | | | | | SOT23 | |
| Size (mm) | | | | | 2.9 x 1.3 x 1.0 | |
| P _{tot} (mW) | | | | | 250 | |
| V _{CEO} (V) | I _C (mA) | Configuration | R1 (kΩ) | R2 (kΩ) | NPN | PNP |
| 40 | 600 | R1 = R2 | 1 | 1 | PBRN113ET (-Q) | PBRP113ET (-Q) |
| | | | 2.2 | 2.2 | PBRN123ET (-Q) | PBRP123ET (-Q) |
| | | R1 ≠ R2 | 1 | 10 | PBRN113ZT (-Q) | PBRP113ZT (-Q) |
| | | | 2.2 | 10 | PBRN123YT (-Q) | PBRP123YT (-Q) |

3-terminal adjustable shunt regulators

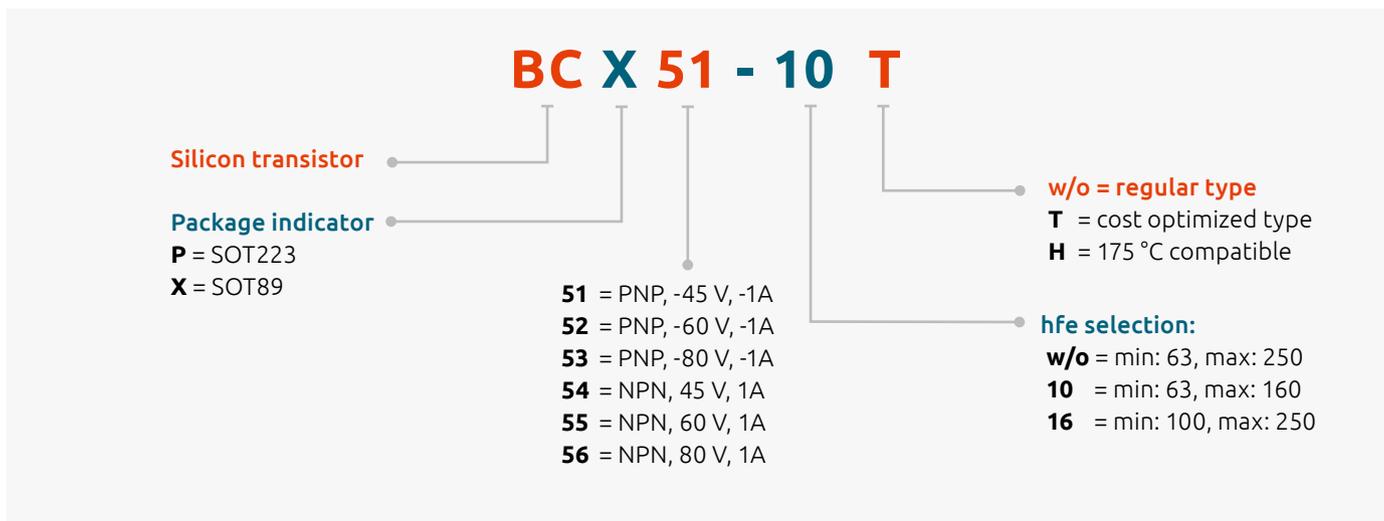
3-terminal adjustable shunt regulators

| Automotive-qualified | | | | | | | | | |
|----------------------|-----------------------|-----------------------|------|-------|--|-----------------|----------|--------|--------|
| Type name | Pinning configuration | T _{amb} (C°) | Vref | | Package | Size(mm) | Ptot(mW) | VKA(V) | IK(mA) |
| TLVH431NCDBZR (-Q) | Normal pinning | 0 to 70 | 1.5% | 1.24 |  SOT23 | 2.9 x 1.3 x 1.0 | 480 | 20 | 80 |
| TLVH431NIDBZR (-Q) | Normal pinning | -40 to 85 | | | | | | | |
| TLVH431NQDBZR (-Q) | Normal pinning | -40 to 125 | | | | | | | |
| TLVH431NMQDBZR (-Q) | MIRrored pinning | | | | | | | | |
| TLVH431NACDBZR (-Q) | Normal pinning | 0 to 70 | 1% | | | | | | |
| TLVH431NAIDBZR (-Q) | Normal pinning | -40 to 85 | | | | | | | |
| TLVH431NAQDBZR (-Q) | Normal pinning | -40 to 125 | | | | | | | |
| TLVH431NAMQDBZR (-Q) | MIRrored pinning | | | | | | | | |
| TL431CDBZR (-Q) | Normal pinning | 0 to 70 | 2% | 2.495 |  SOT23 | 2.9 x 1.3 x 1.0 | 580 | 36 | 100 |
| TL431IDBZR (-Q) | Normal pinning | -40 to 85 | | | | | | | |
| TL431QDBZR (-Q) | Normal pinning | -40 to 125 | | | | | | | |
| TL431FDT (-Q) | Normal pinning | | | | | | | | |
| TL431MFD | MIRrored pinning | | | | | | | | |
| TL431ACDBZR (-Q) | Normal pinning | 0 to 70 | 1% | | | | | | |
| TL431AIDBZR (-Q) | Normal pinning | -40 to 85 | | | | | | | |
| TL431AQDBZR (-Q) | Normal pinning | -40 to 125 | | | | | | | |
| TL431AFDT (-Q) | Normal pinning | | | | | | | | |
| TL431AMFD | MIRrored pinning | | | | | | | | |
| TL431BCDBZR (-Q) | Normal pinning | 0 to 70 | 0.5% | | | | | | |
| TL431BIDBZR (-Q) | Normal pinning | -40 to 85 | | | | | | | |
| TL431BQDBZR (-Q) | Normal pinning | -40 to 125 | | | | | | | |
| TL431BFDT (-Q) | Normal pinning | | | | | | | | |
| TL431BMFD | MIRrored pinning | | | | | | | | |

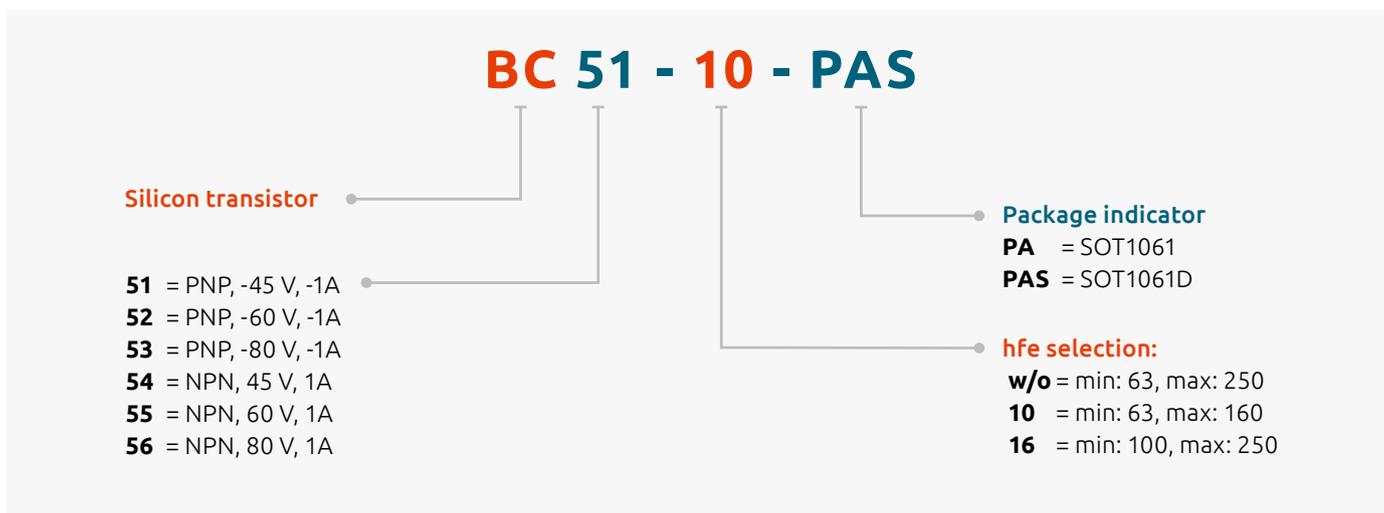
General purpose bipolar transistors



General purpose power transistors

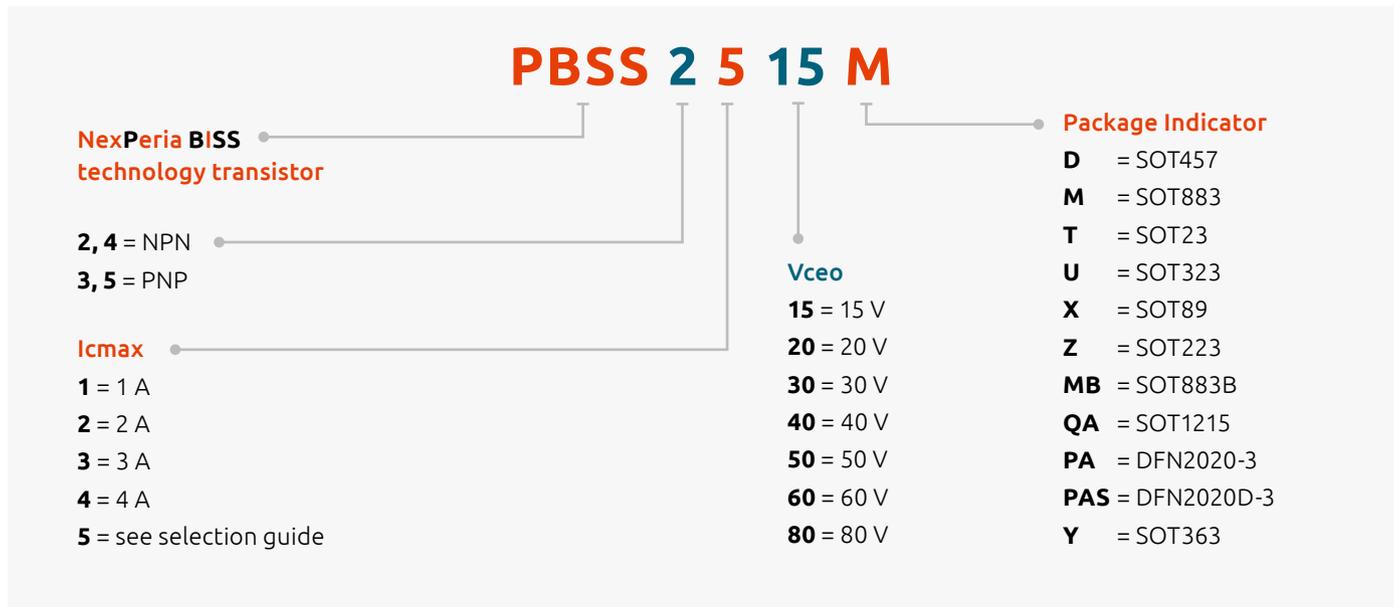


General purpose power transistors

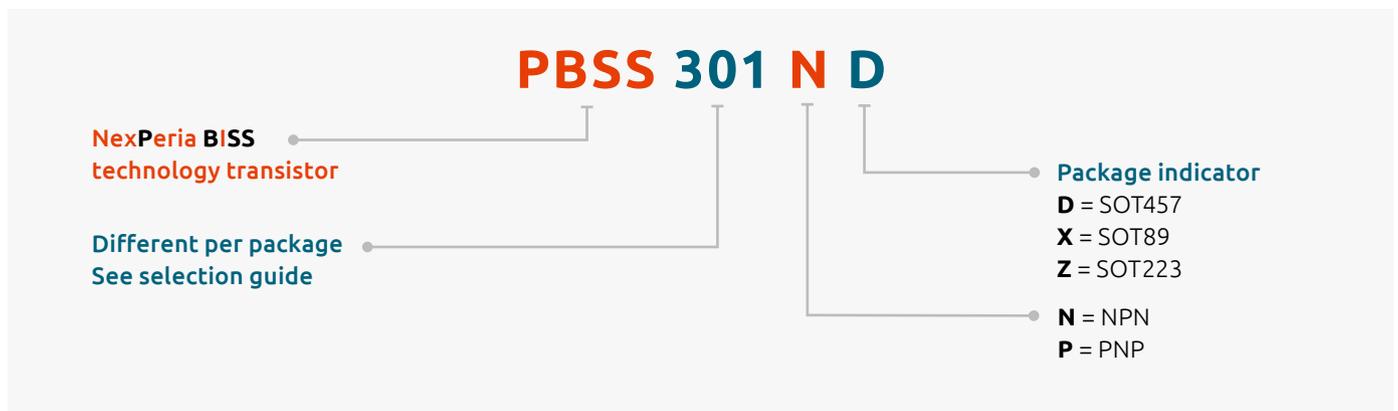


Nomenclatures

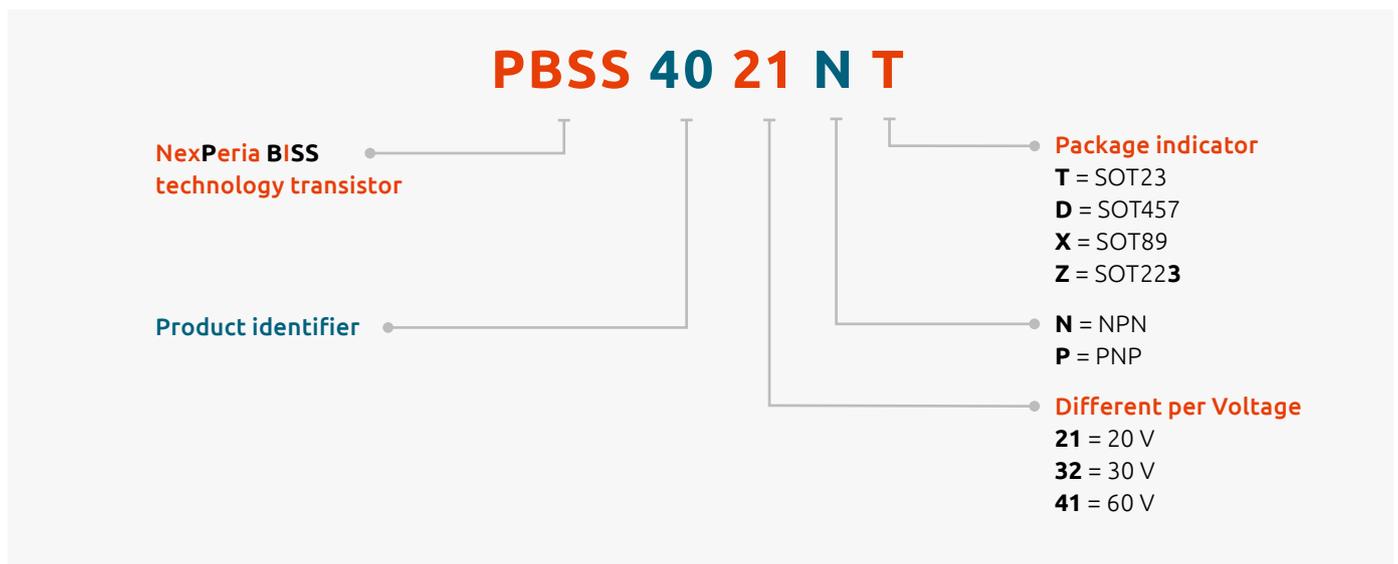
Low V_{CEsat} transistors



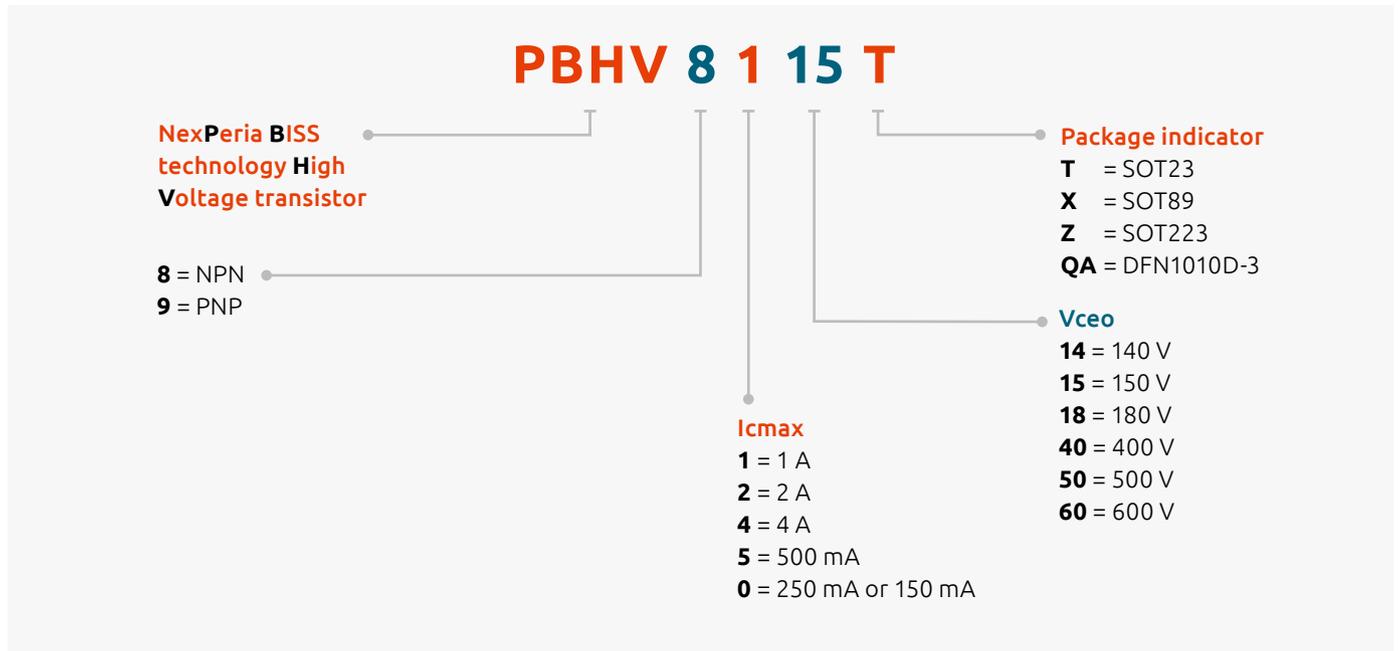
3rd generation Low V_{CEsat} transistors



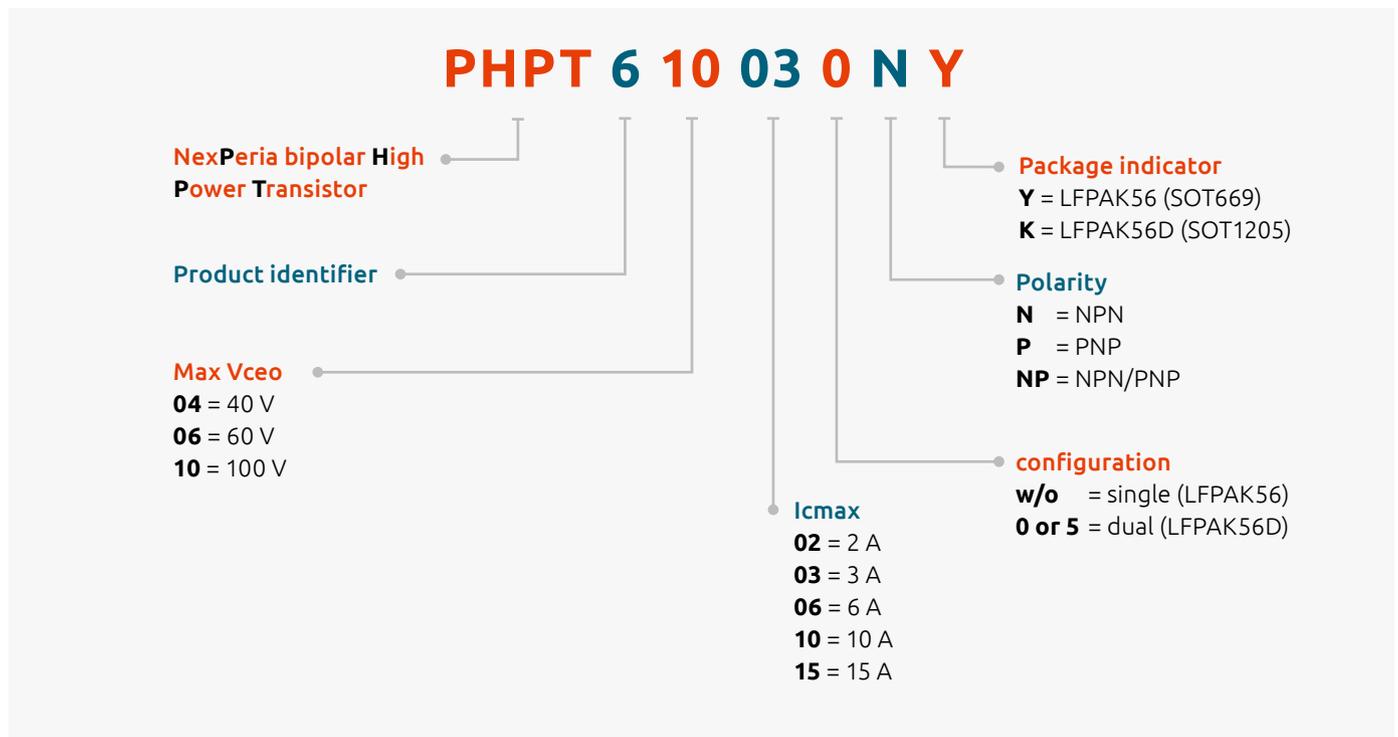
4th generation Low V_{CEsat} transistors



High-voltage Low V_{CEsat} transistors



Transistors in a LFPAK SMD package





| | |
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Zener diodes

General purpose Zener diodes Part 1

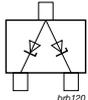
| I _F max (mA) | P _{ZSM} (W) | V _Z nom (V) | V _Z tolerance | Note | Configuration | | Series | Package | Automotive - qualified | Size (mm) | P _{tot} (mW) | | | | | |
|-------------------------|----------------------|------------------------|--------------------------|---|---------------|---|---|---|------------------------|---|---|-----------------|---|-----------------|------------------|------|
| 200 | 40 | 2.4~75 | B, C | Europe | Single |  | BZX884S-Q series |  | Yes | 1.0 x 0.6 x 0.47 | 365 | | | | | |
| | | BZX884S series | No | | | | | | | | | | | | | |
| | | 1.8"51 | B, C | Japan | | | BZX8850S-Q series | | Yes | | | | | | | |
| | | 1.8"51 | B, C | | | | PZU884LS-Q series | | Yes | | | | | | | |
| 200 | 40 | 2.4~75 | B, C | Europe | Single |  | BZX884-Q series |  | Yes | 1.0 x 0.6 x 0.48 | 250 | | | | | |
| | | 2.4~75 | B, C | Europe | | | BZX884 series | | No | | 250 | | | | | |
| | | 2.4~36 | B, B2 | Japan | | | PZUxBL series | | No | | 550 | | | | | |
| | | 2.4~36 | B, B2 | Japan | | | PZUxBL-Q series | | Yes | | 550 | | | | | |
| | | 1.8"51 | B, C | Europe | | | BZX8850 series | | No | | 250 | | | | | |
| | | 1.8"51 | B, C | Europe | | | BZX8850 series | | No | | 250 | | | | | |
| 200 | 40 | 2.4~75 | B, C | Europe | Single |  | BZX585-Q series |  | Yes | 1.2 x 0.8 x 0.6 | 300 | | | | | |
| | | 2.4~75 | B, C | | | | BZX585 series | | No | | | | | | | |
| | | 2.4~36 | B | | | | SZMM5Z series | | Yes | | | | | | | |
| | | 2.4~36 | B | | | | MMSZ series | | No | | | | | | | |
| | | 1.8"51 | B, C | | | | BZX58550-Q series | | Yes | | | | | | | |
| | | 1.8"51 | B, C | | | | BZX58550 series | | No | | | | | | | |
| 200 | 30 | 100 | C | Europe | Back-to-back |  | BZB100A |  | Yes | 1.7 x 1.25 x 0.95 | 830 | | | | | |
| | | 40 | 2.4~51 | B, B2 | Japan | Single |  | | PZUxBA-Q series | | Yes | 320 | | | | |
| | | | 2.4~51 | B, B2 | | | | | PZUxBA series | | No | 400 | | | | |
| | 2.4~36 | | B | PDZ-B series | | | | | Yes | | 300 | | | | | |
| | 250 | 40 | 2.4~75 | B | Europe | | | | SZMM3Z series | | Yes | BZX384-Q series | No | 300 | | |
| | | | | A,B,C | | | | | MM3Z series | | No | | | | | |
| | | | 1.8"51 | B, C | | | | | BZX384-Q series | | Yes | | | | | |
| | | | 1.8"51 | B, C | | | | | BZX38450-Q series | | No | | | | | |
| | 200 | 60 | 100 | C | Europe | | | | Single | |  | BZX100A |  | Yes | 1.7 x 1.25 x 0.7 | 1000 |
| | | | 2.4~51 | B, B2 | Japan | | | | | | | PZUxB-Q series | | Yes | | 550 |
| B, B2 | | | | PZUxB series | | | | No | | | | | | | | |
| 250 | | 40 | 2.4~75 | B, C | Europe | BZX84J-Q series | Yes | BZX84J series | | No | | 500 | | | | |
| | | | 2.4~75 | B, C | Europe | BZX84J series | No | | | | | | | | | |
| | | | 2.4~30 | B | Europe | TDZxJ series | Yes | | | | | | | | | |
| 250 | | 40 | 2.4~75 | B, C | Europe | Single |  | BZT52-Q series | |  | | Yes | | 2.7 x 1.6 x 1.2 | | 590 |
| | | | 2.4~75 | B, C | BZT52 series | | | No | | | | | | | | |
| | | | 2.4~36 | B | Japan | | | PDZ-GW series | | | | Yes | | | | 625 |
| 250 | | 40 | 3.0~30 | About 2.5% | Special | Single |  | NZH series | |  | | Yes | | 2.6 x 1.6 x 1.1 | | 1000 |
| | 2.4~75 | | A, B, C | BZT52H-Q series | Yes | | | | | | | | | | | |
| | 2.4~75 | | A, B, C | BZT52H series | No | | | 830 | | | | | | | | |
| | 1.8"51 | | B, C | BZT5250H-Q series | Yes | | | 830 | | | | | | | | |
| | 1.8"51 | | B, C | BZT5250H series | No | | | 830 | | | | | | | | |
| 200 | 40 | 2.4~75 | B, C | Europe | Dual c.a. |  | BZB84-Q series |  | Yes | 2.9 x 1.3 x 1.0 | 300 | | | | | |
| | | 2.4~75 | B, C | | | | BZB84 series | | No | | | | | | | |
| | | 2.4~75 | A, B, C | | | | BZX84-Q series | | Yes | | | | | | | |
| | | 2.4~75 | A, B, C | | | | BZX84 series | | No | | | | | | | |
| | | Japan | Single |  | 1.8"51 | B, C | BZX8450-Q series | | Yes | | | | | | | |
| | | | | | 1.8"51 | B, C | BZX8450 series | | No | | | | | | | |
| | | | | | 2.4~51 | B, C | PZU84-Q series | | Yes | | | | | | | |
| | | | | | 2.4~51 | B, C | PZU84 series | | No | | | | | | | |
| 250 | 30 | 5~6.8 | 0.2 V | Ave | Single | | PLVA600A series | Yes | | | | | | | | |

Notes:

Japan: B selection: app. 5% V_Z tolerance, B1, B2, B3 selections: app. 2% V_Z tolerance in sequential intervals Europe: A selection: app. 1% V_Z tolerance, B selection: app. 2% V_Z tolerance, C selection: app. 5% V_Z tolerance; the selections are in overlapping intervals

Ave: low-voltage avalanche regulator diodes Dual c.a.: dual common anode

General purpose Zener diodes Part 2

| I_F max (mA) | P_{ZSM} (W) | V_Z nom (V) | V_Z tolerance | Note | Configuration | | Series | Package | Automotive - qualified | Size (mm) | P_{tot} (mW) |
|----------------|---------------|---------------|-----------------|--------|---------------|---|-----------------|---|------------------------|-------------------|----------------|
| 200 | 40 | 2.4~15 | C | Europe | Dual c.a. |  | BZB784 series |  | Yes | 2.0 x 1.25 x 0.95 | 350 |
| | | 2.4~75 | B, C | | Single |  | BZX84W-Q series | | Yes | | |
| | | 2.4~75 | B, C | | Single |  | BZX84W series | | No | | |
| 200 | 40 | 10 | B2 | Japan | Dual isolated |  | PZU10DB2 |  | Yes | 2.0 x 1.25 x 0.95 | 275 |
| 400 | 40 | 2.4~75 | C | Europe | Single |  | BZV90 series |  | Yes | 6.5 x 3.5 x 1.65 | 1500 |
| 250 | 40 | 2.4~75 | C | Europe | Single |  | BZV49 series |  | Yes | 4.5 x 2.5 x 1.5 | 1000 |
| 400 | 800 | 3.0~75 | C | Europe | Single |  | HPZR-Q series |  | Yes | 2.6 x 1.7 x 1.0 | 4100 |
| | | 3.0~75 | C | Europe | Single | | HPZR series | | No | 2.6 x 1.7 x 1.0 | 5500 |

A-Selection Zener Diodes (1% V_Z tolerance)

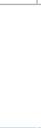
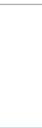
| I_F max (mA) | P_{ZSM} (W) | V_Z nom (V) | V_Z tolerance | Note | Configuration | | Series | Package | Automotive - qualified | Size (mm) | P_{tot} (mW) |
|----------------|---------------|---------------|-----------------|--------|---------------|---|----------------------|---|------------------------|-------------------|----------------|
| 250 | 40 | 2.4~75 | A | Europe | Single |  | BZX384-A (-Q) series |  | No | 1.7 x 1.25 x 0.95 | 300 |
| 250 | 40 | 2.4~75 | A | Europe | Single |  | BZT52H-A (-Q) series |  | Yes | 2.6 x 1.6 x 1.1 | 830 |
| 200 | 40 | 2.4~75 | A | Europe | Single |  | BZX84-A (-Q) series |  | Yes | 2.9 x 1.3 x 1.0 | 250 |

Zener diodes

Low leakage (low I_r) Zener diodes

| I_F max (mA) | P_{ZSM} (W) | V_Z nom (V) | V_Z tolerance | Note | Configuration | Series | Package | Automotive - qualified | Size (mm) | P_{tot} (mW) |
|----------------|---------------|---------------|-----------------|-------|---------------|---|--|------------------------|--------------------|----------------|
| 200 | 40 | 5.1~10 | B, B2 | Japan | Single |  PZUxBL (-Q) series |  DFN1006-2 (SOD882) | Yes | 1.0 x 0.6 x 0.48 | 250 |
| 200 | 40 | 5.1~10 | B, C | Japan | Single |  PZU884LS (-Q) |  DFN1006BD-2 (SOD882BD) | Yes | "1.0 x 0.6 x 0.47" | 365 |
| 200 | 40 | 5.1~10 | B, B2 | Japan | Single |  PZUxBA (-Q) series |  SOD323 (SC-76) | Yes | 1.7 x 1.25 x 0.95 | 300 |
| 200 | 40 | 5.1~10 | B, B2 | Japan | Single |  PZUxB (-Q) series |  SOD323F (SC-90) | Yes | 1.7 x 1.25 x 0.7 | 550 |
| 200 | 40 | 10 | B2 | Japan | Dual isolated |  PZU10DB2 series |  SOT353 (SC-88A) | Yes | 2.0 x 1.25 x 0.95 | 300 |
| 200 | 40 | 5.1~10 | B, C | Japan | Single |  PZU84 (-Q) |  SOT23 | Yes | 2.9 x 1.3 x 1.0 | 250 |
| 250 | 30 | 5~6.8 | 0.2 V | Ave | Single |  PLVA600A series |  SOT23 | Yes | 2.9 x 1.3 x 1.0 | 250 |

Low differential resistance (low R_z) Zener diodes

| I_F max (mA) | P_{ZSM} (W) | V_Z nom (V) | V_Z tolerance | Note | Configuration | Series | Package | Automotive - qualified | Size (mm) | P_{tot} (mW) |
|----------------|---------------|---------------|-----------------|-------|---------------|---|--|------------------------|-------------------|----------------|
| 200 | 40 | 2.4~51 | B, C | Japan | Single |  PZU884LS (-Q) |  DFN1006BD-2 (SOD882BD) | Yes | 1.0 x 0.6 x 0.47 | 365 |
| 200 | 40 | 2.4~51 | B, B2 | Japan | Single |  PZUxBA (-Q) series |  SOD323 (SC-76) | Yes | 1.7 x 1.25 x 0.95 | 300 |
| 200 | 40 | 2.4~51 | B, B2 | Japan | Single |  PZUxB (-Q) series |  SOD323F (SC-90) | Yes | 1.7 x 1.25 x 0.95 | 300 |
| 200 | 40 | 2.4~51 | B, B2 | Japan | Single |  PZUxBL (-Q) series |  DFN1006-2 (SOD882) | Yes | 1.0 x 0.6 x 0.48 | 250 |
| 200 | 40 | 2.4~36 | B | Japan | Single |  PDZ-GW series |  SOD123 | Yes | 2.7 x 1.6 x 1.2 | 625 |
| 200 | 40 | 2.4~36 | B | Japan | Single |  PDZ-B series |  SOD323F (SC-90) | Yes | 1.7 x 1.25 x 0.95 | 300 |
| 200 | 40 | 2.4~51 | B, B2 | Japan | Single |  PZU84 (-Q) |  SOT23 | Yes | 2.9 x 1.3 x 1.0 | 250 |
| 250 | 30 | 5~6.8 | 0.2 V | Ave | Single |  PLVA600A series |  SOT23 | Yes | 2.9 x 1.3 x 1.0 | 250 |

50 μ A Zener diodes (V_z @ 50 μ A)

| I_F max (mA) | P_{ZSM} (W) | V_z nom (V) | V_z tolerance | Note | Configuration | | Series | Package | Automotive - qualified | Size (mm) | P_{tot} (mW) |
|----------------|---------------|---------------|-----------------|--------|---------------|---|--------------------------------------|--|------------------------|-------------------|----------------|
| 200 | 40 | 1.8"51 | B,C | Europe | Single |  | BZX8850s-Q series |  DFN1006BD-2 (SOD882BD) | Yes No | 1.0 x 0.6 x 0.47 | 365 |
| 200 | 40 | 1.8"51 | B,C | Europe | Single |  | BZX8850-Q series BZX8850 series |  DFN1006-2 (SOD882) | Yes No | 1.0 x 0.6 x 0.47 | 365 |
| 200 | 40 | 1.8"51 | B,C | Europe | Single |  | BZX58550-Q series BZX58550 series |  SOD523 (SC-79) | Yes No | 1.2 x 0.8 x 0.6 | 300 |
| 250 | 40 | 1.8"51 | B,C | Europe | Single |  | BZX38450-Q series BZX38450 series |  SOD323 (SC-76) | Yes No | 1.7 x 1.25 x 0.95 | 300 |
| 200 | 40 | 1.8"51 | B,C | Europe | Single |  | BZT5250H-Q series BZT5250H series |  SOD123F | Yes No | 2.9 x 1.3 x 1.0 | 250 |
| 200 | 40 | 1.8"51 | B,C | Europe | Single |  | BZX8450-Q series BZX8450 series |  SOT23 | Yes No | 2.9 x 1.3 x 1.0 | 250 |

High non-repetitive peak reverse power dissipation (P_{ZSM}) ZenerTypes in **bold** represent new products

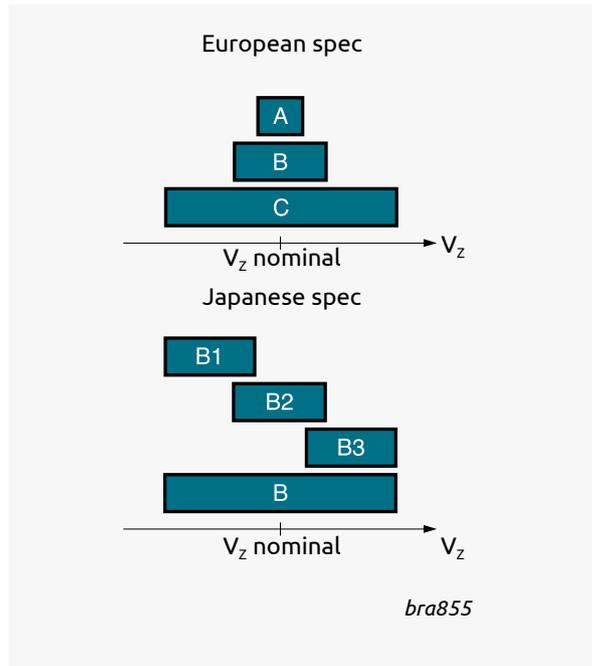
| I_F max (mA) | P_{ZSM} (W) | V_z nom (V) | V_z tolerance | Note | Configuration | | Series | Package | Automotive - qualified | Size (mm) | P_{tot} (mW) |
|----------------|---------------|---------------|-----------------|--------|---------------|---|----------------------|---|------------------------|------------------|----------------|
| 250 | 100-180 | 2.4~6.8 | B | Europe | Single |  | TDZxJ series |  SOD323F (SC-90) | Yes | 1.7 x 1.25 x 0.7 | 500 |
| | 100 | | B, C | | | | BZX84J series | | | | |
| 400 | 800 | 3.0"75 | C | Europe | Single |  | HPZR-Q series |  CFP3 (SOD123W) | Yes | 2.6 x 1.7 x 1.0 | 5500 |
| | | 3.0"75 | C | Europe | Single | | HPZR series | | No | | 4100 |

High power voltage regulator Zener diodes (high P_{tot})Types in **bold** represent new products

| I_F max (mA) | P_{ZSM} (W) | V_z nom (V) | V_z tolerance | Note | Configuration | | Series | Package | Automotive - qualified | Size (mm) | P_{tot} (mW) |
|----------------|---------------|---------------|-----------------|--------|---------------|---|----------------------|--|------------------------|-----------------|----------------|
| 400 | 800 | 3.0"75 | C | Europe | Single |  | HPZR-Q series |  CFP3 (SOD123W) | Yes | 2.6 x 1.7 x 1.0 | 5500 |
| | | 3.0"75 | C | Europe | Single | | HPZR series | | No | | 4100 |

Zener diodes specifications

Differences in Zener specifications



Japanese spec (PZU, PDZ)

| y = | | C- B-series ± 5% | B- B2-series ± 2% |
|-----|-------|-----------------------|------------------------|
| | V_z | V_z (V) | V_z (V) |
| PZU | 2.4V | 2.3 - 2.6 | - |
| PZU | 2.7V | 2.5 - 2.9 | 2.65 - 2.9 |
| PZU | 3.0V | 2.8 - 3.2 | 2.95 - 3.2 |
| PZU | 3.3V | 3.1 - 3.5 | 3.25 - 3.5 |
| PZU | 3.6V | 3.4 - 3.8 | 3.55 - 3.8 |
| PZU | 3.9V | 3.7 - 4.1 | 3.87 - 4.1 |
| PZU | 4.3V | 4.01 - 4.48 | 4.15 - 4.34 |
| PZU | 4.7V | 4.42 - 4.9 | 4.55 - 4.75 |
| PZU | 5.1V | 4.84 - 5.37 | 4.98 - 5.2 |
| PZU | 5.6V | 5.31 - 5.92 | 5.49 - 5.73 |
| PZU | 6.2V | 5.86 - 6.53 | 6.06 - 6.33 |
| PZU | 6.8V | 6.47 - 7.14 | 6.65 - 6.93 |
| PZU | 7.5V | 7.06 - 7.84 | 7.28 - 7.6 |
| PZU | 8.2V | 7.76 - 8.64 | 8.02 - 8.36 |
| PZU | 9.1V | 8.56 - 9.55 | 8.85 - 9.23 |
| PZU | 10V | 9.45 - 10.55 | 9.77 - 10.21 |
| PZU | 11V | 10.44 - 11.56 | 10.76 - 11.22 |
| PZU | 12V | 11.42 - 12.6 | 11.74 - 12.24 |
| PZU | 13V | 12.47 - 13.96 | 12.91 - 13.49 |
| PZU | 14V | - | 13.7 - 14.3 |
| PZU | 15V | 13.84 - 15.52 | 14.34 - 14.98 |
| PZU | 16V | 15.37 - 17.09 | 15.85 - 16.51 |
| PZU | 18V | 16.94 - 19.03 | 17.56 - 18.35 |
| PZU | 20V | 18.86 - 21.08 | 19.52 - 20.39 |
| PZU | 22V | 20.88 - 23.17 | 21.54 - 22.47 |
| PZU | 24V | 22.93 - 25.57 | 23.72 - 24.78 |
| PZU | 27V | 25.1 - 28.9 | 26.50-27.50 |
| PZU | 30V | 28 - 32 | 29.4-20.6 |
| PZU | 33V | 31 - 35 | 32.34-33.66 |
| PZU | 36V | 34 - 38 | 35.3-36.7 |
| PZU | 39V | 37-41 | 38.2-39.8 |
| PZU | 43V | 40-46 | 42.1-43.9 |
| PZU | 47V | 44-50 | 46.1-47.9 |
| PZU | 51V | 48-54 | 50-52 |

European spec (BZV, BZX, BZB, 1N47)

| y = | | C-series ±5% | B-series ±2% | A-series ±1% |
|-----|-------|-----------------|-----------------|-----------------|
| | V_z | V_z (V) | V_z (V) | V_z (V) |
| BZX | 2.4V | 2.2 - 2.6 | 2.35 - 2.45 | 2.37 - 2.43 |
| BZX | 2.7V | 2.5 - 2.9 | 2.65 - 2.75 | 2.67 - 2.73 |
| BZX | 3.0V | 2.8 - 3.2 | 2.94 - 3.06 | 2.97 - 3.03 |
| BZX | 3.3V | 3.1 - 3.5 | 3.23 - 3.37 | 3.26 - 3.34 |
| BZX | 3.6V | 3.4 - 3.8 | 3.53 - 3.67 | 3.56 - 3.64 |
| BZX | 3.9V | 3.7 - 4.1 | 3.82 - 3.98 | 3.86 - 3.94 |
| BZX | 4.3V | 4 - 4.6 | 4.21 - 4.39 | 4.25 - 4.35 |
| BZX | 4.7V | 4.4 - 5 | 4.61 - 4.79 | 4.65 - 4.75 |
| BZX | 5.1V | 4.8 - 5.4 | 5 - 5.2 | 5.04 - 5.16 |
| BZX | 5.6V | 5.2 - 6 | 5.49 - 5.71 | 5.54 - 5.66 |
| BZX | 6.2V | 5.8 - 6.6 | 6.08 - 6.32 | 6.13 - 6.27 |
| BZX | 6.8V | 6.4 - 7.2 | 6.66 - 6.94 | 6.73 - 6.87 |
| BZX | 7.5V | 7 - 7.9 | 7.35 - 7.65 | 7.42 - 7.58 |
| BZX | 8.2V | 7.7 - 8.7 | 8.04 - 8.36 | 8.11 - 8.29 |
| BZX | 9.1V | 8.5 - 9.6 | 8.92 - 9.28 | 9 - 9.2 |
| BZX | 10V | 9.4 - 10.6 | 9.8 - 10.2 | 9.9 - 10.1 |
| BZX | 11V | 10.4 - 11.6 | 10.8 - 11.2 | 10.8 - 11.11 |
| BZX | 12V | 11.4 - 12.7 | 11.8 - 12.2 | 11.88 - 12.12 |
| BZX | 13V | 12.4 - 14.1 | 12.7 - 13.3 | 12.87 - 13.13 |
| BZX | 15V | 13.8 - 15.6 | 14.7 - 15.3 | 14.85 - 15.15 |
| BZX | 16V | 15.3 - 17.1 | 15.7 - 16.3 | 15.84 - 16.16 |
| BZX | 18V | 16.8 - 19.1 | 17.6 - 18.4 | 17.82 - 18.18 |
| BZX | 20V | 18.8 - 21.2 | 19.6 - 20.4 | 19.8 - 20.2 |
| BZX | 22V | 20.8 - 23.3 | 21.6 - 22.4 | 21.78 - 22.22 |
| BZX | 24V | 22.8 - 25.6 | 23.5 - 24.5 | 23.76 - 24.24 |
| BZX | 27V | 25.1 - 28.9 | 26.5 - 27.5 | 26.73 - 27.27 |
| BZX | 30V | 28 - 32 | 29.4 - 30.6 | 29.70 - 30.30 |
| BZX | 33V | 31 - 35 | 32.3 - 33.7 | 32.67 - 33.33 |
| BZX | 36V | 34 - 38 | 35.3 - 36.7 | 35.64 - 36.36 |
| BZX | 39V | 37 - 41 | 38.2 - 39.8 | 38.61 - 39.39 |
| BZX | 43V | 40 - 46 | 42.1 - 43.9 | 42.57 - 43.43 |
| BZX | 47V | 44 - 50 | 46.1 - 47.9 | - |
| BZX | 51V | 48 - 54 | 50 - 52 | 50.49 - 51.51 |
| BZX | 56V | 52 - 60 | 54.9 - 57.1 | - |
| BZX | 62V | 58 - 66 | 60.8 - 63.2 | - |
| BZX | 68V | 64 - 72 | 66.6 - 69.4 | - |
| BZX | 75V | 70 - 79 | 73.5 - 76.5 | 74.25 - 75.75 |

| y = | | C-series ±5% | B-series ±2% |
|---------|-------|-----------------|-----------------|
| | V_z | V_z (V) | V_z (V) |
| BZX*50* | 1.8V | 1.71-1.89 | 1.764-1.836 |
| BZX*50* | 2.0V | 1.88-2.12 | 1.96-2.04 |
| BZX*50* | 2.2V | 2.09-2.31 | 2.156-2.244 |
| BZX*50* | 2.4V | 2.28-2.52 | 2.35-2.45 |
| BZX*50* | 2.7V | 2.565-2.835 | 2.65-2.75 |
| BZX*50* | 3.0V | 2.85-3.15 | 2.94-3.06 |
| BZX*50* | 3.3V | 3.13-3.47 | 3.23-3.37 |
| BZX*50* | 3.6V | 3.42-3.78 | 3.53-3.67 |
| BZX*50* | 3.9V | 3.7-4.1 | 3.82-3.98 |
| BZX*50* | 4.3V | 4.09-4.52 | 4.21-4.39 |
| BZX*50* | 4.7V | 4.47-4.94 | 4.61-4.79 |
| BZX*50* | 5.1V | 4.85-5.36 | 5-5.2 |
| BZX*50* | 5.6V | 5.32-5.88 | 5.49-5.71 |
| BZX*50* | 6.2V | 5.89-6.51 | 6.08-6.32 |
| BZX*50* | 6.8V | 6.46-7.14 | 6.66-6.94 |
| BZX*50* | 7.5V | 7.13-7.88 | 7.35-7.65 |
| BZX*50* | 8.2V | 7.79-8.61 | 8.04-8.36 |
| BZX*50* | 9.1V | 8.65-9.56 | 8.92-9.28 |
| BZX*50* | 10V | 9.5-10.5 | 9.8-10.2 |
| BZX*50* | 11V | 10.45-11.55 | 10.8-11.2 |
| BZX*50* | 12V | 11.4-12.6 | 11.8-12.2 |
| BZX*50* | 13V | 12.35-13.65 | 12.7-13.3 |
| BZX*50* | 15V | 14.25-15.75 | 14.7-15.3 |
| BZX*50* | 16V | 15.2-16.8 | 15.7-16.3 |
| BZX*50* | 18V | 17.1-18.9 | 17.6-18.4 |
| BZX*50* | 20V | 19-21 | 19.6-20.4 |
| BZX*50* | 22V | 20.9-23.1 | 21.6-22.4 |
| BZX*50* | 24V | 22.8-25.2 | 23.5-24.5 |
| BZX*50* | 27V | 25.65-28.35 | 26.5-27.5 |
| BZX*50* | 30V | 28.5-31.5 | 29.4-30.6 |
| BZX*50* | 33V | 31.35-34.65 | 32.3-33.7 |
| BZX*50* | 36V | 34.2-37.8 | 35.3-36.7 |
| BZX*50* | 39V | 37.05-40.95 | 38.2-39.8 |
| BZX*50* | 43V | 40.85-45.15 | 42.1-43.86 |
| BZX*50* | 47V | 44-50 | 46.1-47.9 |
| BZX*50* | 51V | 48-54 | 50-52 |

General purpose, high speed switching diodes <= 90 V

| V _R max (V) | V _F max (V) | I _F (mA) | I _R max (nA) | @ V _R (V) | t _r max (ns) | Package | Automotive-qualified | | | | | | | | | |
|------------------------|------------------------|---------------------|-------------------------|----------------------|-------------------------|---|---|---|---|---|--|---|---|---|---|------------------|
| | | | | | | | SOD80C (MiniMelf) | SOT23 | SOT143B | SOT323 (SC-70) | SOT363 (SC-88) | DFN1110D-3 (SOT8015) | DFN1412-6 (SOT1268) | DFN1010D-3 (SOT1215) | DFN1006-3 (SOT883) | |
| | | | | | | |  |  |  |  |  |  |  |  |  | |
| | | | | | | | Size (mm) | 3.5 x 1.5 x 1.5 | 2.9 x 1.3 x 1.0 | 2.9 x 1.3 x 1.0 | 2.0 x 1.25 x 0.95 | 2.0 x 1.25 x 0.95 | 1.1x1.0x0.48 | 1.4 x 1.2 x 0.5 | 1.1 x 1.0 x 0.37 | 1.0 x 0.6 x 0.48 |
| P _{tot} (mW) | 400 | 250 | 250 | 200 | 350 | | 480 | 325 | 250 | | | | | | | |
| 50 | 1 | 50 | 100 | 50 | 4 |  | | BAL74 (-Q) | | | | | | | | |
| | | | | | |  | | BAV74 (-Q) | | | | | | | | |
| 70 | 1 | 50 | 1000 | 70 | 4 |  | | BAL99 (-Q) | | | | | | | | |
| 75 | 1 | 50 | 1000 | 75 | 4 |  | | | BAS28 | | | | | | | |
| | | 100 | 5000 | 75 | 4 |  | | BAS32L | | | | | | | | |
| 80 | 1 | 50 | 500 | 80 | 4 |  | | | | 1PS300 (-Q) | | | | | | |
| | | | | | |  | | | | 1PS301 (-Q) | | | | | | |
| | | | | | |  | | | | 1PS302 (-Q) | | | | | | |
| 90 | 1 | 50 | 500 | 80 | 4 |  | | BAW56 (-Q) | | BAW56W(-Q) | | BAW56QB (-Q) | | BAW56QA (-Q) | BAW56M (-Q) | |
| | | | | | |  | | | | BAW56S (-Q) | | BAW56SRA | | | | |
| | | | | | |  | | | | BAV756S (-Q) | | | | | | |

Diodes

Switching diodes

General purpose, high speed switching diodes 100 V (Leaded SMD)

| | | | | | | | Automotive-qualified | | | | | | | | | | |
|---------------|---------------|--------------|----------------|-------------|-------------------|----------------|----------------------|-----------------|-----------------|-------------------|-------------------|-------------------|------------------|-----------------|------------------------|----------------------|----------------------|
| V_R max (V) | V_F max (V) | @ I_F (mA) | I_R max (nA) | @ V_R (V) | t_{rr} max (ns) | Package | SOT23 | SOD123 | SOD123F | SOT323 (SC-70) | SOT363 (SC-88) | SOD323 (SC-76) | SOD323F (SC-90) | SOD523 (SC-79) | DFN1006BD-2 (SOD882BD) | DFN1110D-3 (SOT8015) | DFN1412D-3 (SOT8009) |
| 100 | 1 | 50 | 500 | 80 | 4 | | | | | | | | | | | | |
| | | | | | | Size (mm) | 2.9 x 1.3 x 1.0 | 2.7 x 1.6 x 1.2 | 2.6 x 1.6 x 1.1 | 2.0 x 1.25 x 0.95 | 2.0 x 1.25 x 0.95 | 1.7 x 1.25 x 0.95 | 1.7 x 1.25 x 0.7 | 1.2 x 0.8 x 0.6 | 1 x 0.6 x 0.47 | 1.1x1.0x0.48 | 1.4 x 1.2 x 0.47 |
| | | | | | | P_{tot} (mW) | 250 | 380 | 375 | 200 | 300 | 300 | 300 | 250 | 345 | | 345 |
| | | | | | | | | BAS16GW (-Q) | BAS16H (-Q) | | | BAS316 (-Q) | BAS16J (-Q) | BAS516 (-Q) | | | |
| | | | | | | | BAS16 (-Q) | | | BAS16W (-Q) | | | | | | | |
| | | | | | | | | | | BAS16VY (-Q) | | | | | | | |
| | | | | | | | BAV70 (-Q) | | | BAV70W (-Q) | | | | | | | |
| | | | | | | | | | | BAV70S (-Q) | | | | | | | |
| | | | | | | | BAV99 (-Q) | | | BAV99W (-Q) | | | | | | | |
| | | | | | | | | | | BAV99S | | | | | | | |
| | | | | | | | | | | | | | | | BAS16LS (-Q) | | |
| | | | | | | | | | | | | | | | | BAV99QB (-Q) | BAV99QC (-Q) |

General purpose, high speed switching diodes 100 V (Leadless DFN)

| | | | | | | | Automotive-qualified | | | | | | |
|---------------|---------------|--------------|----------------|-------------|-------------------|----------------|----------------------|----------------------|--------------------|--------------------|----------------------|------------------------|----------------------|
| V_R max (V) | V_F max (V) | @ I_F (mA) | I_R max (nA) | @ V_R (V) | t_{rr} max (ns) | Package | DFN1412-6 (SOT1268) | DFN1010D-3 (SOT1215) | DFN1006-2 (SOD882) | DFN1006-3 (SOT883) | DFN1006D-2 (SOD882D) | DFN1006BD-2 (SOD882BD) | DFN1110D-3 (SOT8015) |
| 100 | 1 | 50 | 500 | 80 | 4 | | | | | | | | |
| | | | | | | Size (mm) | 1.4 x 1.2 x 0.5 | 1.1 x 1.0 x 0.37 | 1.0 x 0.6 x 0.48 | 1.0 x 0.6 x 0.48 | 1.0 x 0.6 x 0.37 | 1.0 x 0.6 x 0.47 | 1.1 x 1.0 x 0.48 |
| | | | | | | P_{tot} (mW) | 480 | 325 | 250 | 250 | 250 | 250 | |
| | | | | | | | | | BAS16L (-Q) | | BAS16LD (-Q) | BAS16LS | |
| | | | | | | | | BAS16QA (-Q) | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | BAV70QA (-Q) | | BAV70M (-Q) | | | BAV70QB (-Q) |
| | | | | | | | BAV70SRA (-Q) | | | | | | |
| | | | | | | | | BAV99QA (-Q) | | | | | |
| | | | | | | | | | | | | | |

General purpose, switching diodes >= 100 V

| | | | | | | Automotive-qualified | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|---------------|--------------|----------------|-------------|-------------------|----------------------|-------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------|-------------------|-------------------|-------------------|------------------|-----------------|-------------------------------------|----------------------|------------------------|----------------------|----------------------|--|--|--|---------------|---------------|---------------|
| V_R max (V) | V_F max (V) | @ I_F (mA) | I_R max (nA) | @ V_R (V) | t_{rr} max (ns) | Package | SOD80C (MiniMelf) | SOT457 (SC-74) | SOT23 | SOT143B | SOD123 | SOD123F | SOT323 (SC-70) | SOT353 (SC-88A) | SOT363 (SC-88) | SOD323 (SC-76) | SOD323F (SC-90) | SOD523 (SC-79) | DFN1006D-2 (SOD882 (D)) | DFN1010D-3 (SOT1215) | DFN1006BD-2 (SOD882BD) | DFN1110D-3 (SOT8015) | DFN1412D-3 (SOT8009) | | | | | | |
| | | | | | | | 3.5 x 1.5 x 1.5 | 2.9 x 1.5 x 1.0 | 2.9 x 1.3 x 1.0 | 2.9 x 1.3 x 1.0 | 2.7 x 1.6 x 1.2 | 2.6 x 1.6 x 1.1 | 2.0 x 1.25 x 0.95 | 2.0 x 1.25 x 0.95 | 2.0 x 1.25 x 0.95 | 1.7 x 1.25 x 0.95 | 1.7 x 1.25 x 0.7 | 1.2 x 0.8 x 0.6 | 1.0 x 0.6 x 0.48 (1.0 x 0.6 x 0.37) | 1.1 x 1.0 x 0.37 | 1 x 0.6 x 0.47 | 1.1 x 1 x 0.47 | 1.4 x 1.2 x 0.47 | | | | | | |
| | | | | | | | 400 | 250 | 250 | 250 | 380 | 375 | 200 | 255 | 300 | 300 | 300 | 250 | 250 | 325 | 610 | 745 | 750 | | | | | | |
| 100 | 1 | 100 | 100 | 100 | 50 | | | | BAS19 (-Q) | | | | | | | | | | | | | | | | | | | | |
| 150 | 1 | 100 | 100 | 150 | 50 | | BAV102 | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | BAS20 (-Q) | | | | | | | | | | | | | | | | | | | | | |
| 200 | 1 | 100 | 100 | 200 | 50 | | BAV103 | | | BAS-21GW (-Q) | BAS 21H (-Q) | | | | | BAS 321 (-Q) | BAS 321J (-Q) | BAS 521B (-Q) | BAS 21LL(LD) (-Q) | BAV 21QA (-Q) | | | | | | | | | |
| | | | | | | | | BAS21 (-Q) | | | | | BAS 21W (-Q) | | | | | | | | | | | | | | | | |
| | | | | | | | | | BAV23 (-Q) | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | BAS 21PG (-Q) | | | | | | | | | | | |
| | | | | | | | | | BAV23A (-Q) | | | | | | BA-S21AW (-Q) | | | | | | | | | | | | | | |
| | | | | | | | | | BAV23C (-Q) | | | | | | | | | | | | | | | | | | BAV 23QA (-Q) | | |
| | | | | | | | | | BAV23S (-Q) | | | | | | | BAS 21SW (-Q) | | | | | | | | | | | | | |
| | | | | | | | | | BS21 AVD (-Q) | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | BAS-21VD (-Q) | | | | | | | | | | | | | | | | | | | | |
| | | | | | | 200 | 1 | 250 | 100 | 200 | 50 | | | | | | | | | | | | | | | | BAS 21LS (-Q) | BAS 21QB (-Q) | BAS 21QC (-Q) |
| 300 | 1.1 | 100 | 150 | 250 | 50 | | | | | | | | | | | | BAS21J (-Q) | BAS521 (-Q) | | | | | | | | | | | |
| | | | | | | | | BAS101 (-Q) | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | BAS 101S (-Q) | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | BAW101 (-Q) | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | BAS 30LS (-Q) | | | | | | | |

Diodes

Switching diodes

High performance switching diodes (175 °C capable & superior power dissipation)

| V_R max (V) | V_F max (V) | @ I_F (mA) | I_R max (nA) | @ V_R (V) | t_{rr} max (ns) | Automotive-qualified | |
|---------------|---------------|--------------|----------------|-------------|-------------------|---|-----------------|
| | | | | | | Package | |
| | | | | | | SOT23 | |
| | | | | | |  | |
| | | | | | | Size (mm) | 2.9 X 1.3 X 1.0 |
| | | | | | | P_{tot} (mW) | 300 |
| 100 | 1 | 50 | 500 | 80 | 4 |  | BAS16TH (-Q) |
| 200 | 1 | 100 | 100 | 200 | 50 | | BAS21TH (-Q) |

Controlled avalanche switching diodes

| V_R max (V) | V_F max (V) | @ I_F (mA) | I_R max (nA) @ V_R max | I_{FSM} max (A) | I_{FRM} max (mA) | C_d max (pF) | t_{rr} max (ns) | Automotive-qualified | | |
|---------------|---------------|--------------|----------------------------|-------------------|--------------------|----------------|-------------------|---|---|-----------------|
| | | | | | | | | Package | | |
| | | | | | | | | SOT23 | SOT143B | |
| | | | | | | | |  |  | |
| | | | | | | | | Size (mm) | 2.9 x 1.3 x 1.0 | 2.9 x 1.3 x 1.0 |
| | | | | | | | | P_{tot} (mW) | 250 | 250 |
| 60 | 1 | 200 | 100 | 9 | 600 | 2.5 | 6 |  | | BAS56 |
| 90 | 1 | 200 | 100 | 10 | 600 | 35 | 50 |  | BAS29 | |
| | | | | | | | |  | BAS31 | |
| | | | | | | | |  | BAS35 | |

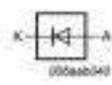
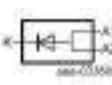
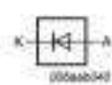
Low leakage current switching diodes

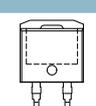
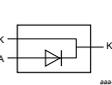
Types in **bold** represent new products

| V_R max (V) | V_F max (V) | @ I_F (mA) | I_R max (nA) @ V_R max | t_{rr} max (μs) | Automotive-qualified | | | | | | | | | | | | | | | | |
|----------------|-----------------|-------------------|----------------------------|-------------------|---|---|---|---|---|---|---|--|---|---|---|---|---|--|--|--|---------------|
| | | | | | Package | | | | | | | | | | | | | | | | |
| | | | | | SOD80C (MiniMelf) | SOD68 (DO-34) | SOT23 | SOD123 | SOD123F | SOT323 (SC-70) | SOD323 (SC-76) | SOD523 (SC-79) | DFN1010D-3 (SOT1215) | DFN1006-3 (SOT883) | DFN1006-2 (SOD882) | DFN1006BD-2 (SOD882BD) | DFN1412D-3 (SOT8009) | | | | |
| | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  | | | | |
| Size (mm) | 3.5 x 1.5 x 1.5 | 3.04 x 1.6 x 0.55 | 2.9 x 1.3 x 1.0 | 2.7 x 1.6 x 1.2 | 2.6 x 1.6 x 1.1 | 2.0 x 1.25 x 0.95 | 1.7 x 1.25 x 0.95 | 1.2 x 0.8 x 0.6 | 1.1 x 1.0 x 0.37 | 1.0 x 0.6 x 0.48 | 1.0 x 0.6 x 0.48 | 1.0 x 0.6 x 0.47 | 1.4 x 1.2 x 0.47 | | | | | | | | |
| P_{tot} (mW) | 400 | 300 | 250 | 380 | 375 | 250 | 250 | 250 | 305 | 250 | 250 | | 345 | | | | | | | | |
| 75 | 1 | 10 | 5 | 3 |  | | | BAS116GW (-Q) | BAS116H (-Q) | | BAS416 (-Q) | BAS716 (-Q) | | | BAS116L (-Q) | BAS116LS (-Q) | | | | | |
| | | | | |  | | | BAS116 (-Q) | | | | | BAS116QA (-Q) | | | | | | | | |
| | | | | |  | | | BAV199 (-Q) | | | BAV199W (-Q) | | | | | | | | | | BAV199QC (-Q) |
| | | | | |  | | | BAW156 (-Q) | | | | | | | | | | | | | |
| 125 | 1 | 100 | 1 | 1.5 typ |  | BAS45AL | BAS45A | | | | | | | | | | | | | | |
| | | | | |  | | | | | | | | | | | | | | | | |

Recovery rectifiers

Types in **bold** represent new products

| V _r max (V) | V _F max (V) | I _F (A) | I _R max (μA) | V _R (V) | t _{rr} max (ns) | Package | Automotive-qualified | | | | |
|------------------------|------------------------|--------------------|-------------------------|--------------------|--------------------------|---|---|--|---|---|-------------------|
| | | | | | | | CFP2-HP (SOD323HP) | CFP3 (SOD123W) | CFP5 (SOD128) | CFP15B (SOT1289B) | |
| | | | | | | |  |  |  |  | |
| | | | | | | Size (mm) | 2.2 x 1.3 x 0.68 | 2.6 x 1.7 x 1.0 | 3.8 x 2.5 x 1.0 | 5.8 x 4.3 x 0.95 | |
| | | | | | | P _{tot} (mW) @ 1cm ² | 1200 | 1150 | 1200 | 2150 | |
| 200 | 1.02 | 1 | 0.075 | 200 | 25 |  | PNE20010EXD (-Q) | | | | |
| | 1.09 | 2 | 0.075 | 200 | 25 | | PNE20020EXD (-Q) | | | | |
| | 0.93 | 1 | 0.2 | 200 | 25 | | | PNE20010ER (-Q) | | | |
| | 0.98 | 2 | 0.2 | 200 | 25 | | | PNE20020ER (-Q) | | | |
| | 0.95 | 2 | 1 | 200 | 25 | | | | PNE20020EP (-Q) | | |
| | 0.98 | 3 | 1 | 200 | 30 | | | | PNE20030EP (-Q) | | |
| | 0.93 | 4 | 1 | 200 | 30 | | | | PNE20040EP (-Q) | | |
| | 0.95 | 5 | 1 | 200 | 30 | | | PNE20050EP (-Q) | | | |
| | 0.93 | 4 | 1 | 200 | 30 |  | | | | PNE20040EPE (-Q) | |
| | 0.94 | 6 | 1 | 200 | 30 | | | | | | PNE20060EPE (-Q) |
| | 0.95 | 8 | 1 | 200 | 30 | | | | | | PNE20080EPE (-Q) |
| | 0.96 | 10 | 1 | 200 | 30 | | | | | | PNE200100EPE (-Q) |
| | 0.98 | 2x2 | 1 | 200 | 25 | | | | | | PNE20040CPE (-Q) |
| | 0.94 | 2x3 | 1 | 200 | 30 | | | | | | PNE20060CPE (-Q) |
| 0.93 | 2x4 | 1 | 200 | 30 | | | | | | PNE20080CPE (-Q) | |
| 0.95 | 2x5 | 1 | 200 | 30 | | | | | PNE200100CPE (-Q) | | |
| 400 | 1.1 | 1 | 1 | 400 | 1500 |  | | PNS40010AER (-Q) | | | |
| 650 | 1.2 | 1 | 1 | 650 | 65 | | | | PNU65010ER (-Q) | | |
| | 1.2 | 1 | 1 | 650 | 65 | | | | PNU65010EP (-Q) | | |
| | 1.2 | 2 | 1 | 650 | 65 | | | | PNU65020EP (-Q) | | |
| | 1.2 | 3 | 1 | 650 | 70 | | | | PNU65030EP (-Q) | | |

| V _r max (V) | V _F max (V) | I _F (A) | I _R max (μA) | V _R (V) | t _{rr} max (ns) | Package | D2PAK (R2P) (SOT8018) |
|------------------------|------------------------|--------------------|-------------------------|--------------------|--------------------------|---|---|
| | | | | | | |  |
| | | | | | | | Size (mm) |
| | | | | | | P _{tot} (mW) @ 6cm ² cathode pad | 2400 |
| 650 | 1.55 | 10 | 5 | 650 | 60 |  | PNU650100EJ (-Q) |
| | 2.40 | 10 | 5 | 650 | 30 | | PNE650100EJ (-Q) |
| | 1.55 | 15 | 5 | 650 | 60 | | PNU650150EJ (-Q) |
| | 2.40 | 15 | 5 | 650 | 30 | | PNE650150EJ (-Q) |
| | 1.55 | 20 | 5 | 650 | 60 | | PNU650200EJ (-Q) |
| | 2.40 | 20 | 5 | 650 | 30 | | PNE650200EJ (-Q) |
| | 1.68 | 15 | 5 | 650 | 60 | | PNU650150AEJ (-Q) |
| | 1.70 | 20 | 5 | 650 | 60 | | PNU650200AEJ (-Q) |
| | 1.80 | 30 | 5 | 650 | 60 | | PNU650300AEJ (-Q) |

Nomenclature recovery rectifiers automotive grade types

PNE 200 10 E R

Recovery time indicator:

PNE = hyperfast recovery time
PNU = ultrafast recovery time
PNS = standard recovery time

Max. reverse voltage:

200 = 200 V
400 = 400 V
650 = 650 V

Cont. Forward current:

10 = 1.0 A
20 = 2.0 A
50 = 5.0 A
100 = 10.0 A

Package indicator:

R = CFP3 (SOD123W)
P = CFP5 (SOD128)
PE = CFP15B (SOT1289B)
XD = CFP2-HP (SOD323HP)

Configuration:

E = single
C = dual common cathode

SiC Schottky diodes

Key features

- › Zero forward and reverse recovery
- › Temperature independent switching performance
- › Fast and smooth switching performance
- › High I_{FSM} capability
- › Low leakage current
- › Easy to parallel / positive temperature coefficient
- › Outstanding figure-of-merit ($Q_C \times V_F$)
- › Thermal stability up to 175 °C junction temperature
- › AEC-Q101 qualification

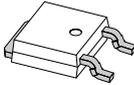
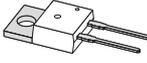
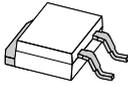
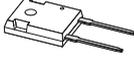
Key benefits

- › High power density
- › Reduced system cost
- › System miniaturization
- › High temperature operation
- › Reduced EMI
- › Increased ruggedness and reliability

Key applications

- › Consumer and industrial power supplies / PFC
- › DC-DC-converter
- › High frequency AC-DC converter
- › Battery charging systems
- › Base station power supply (5G)
- › Photovoltaic power converter
- › Traction inverter
- › On board charger

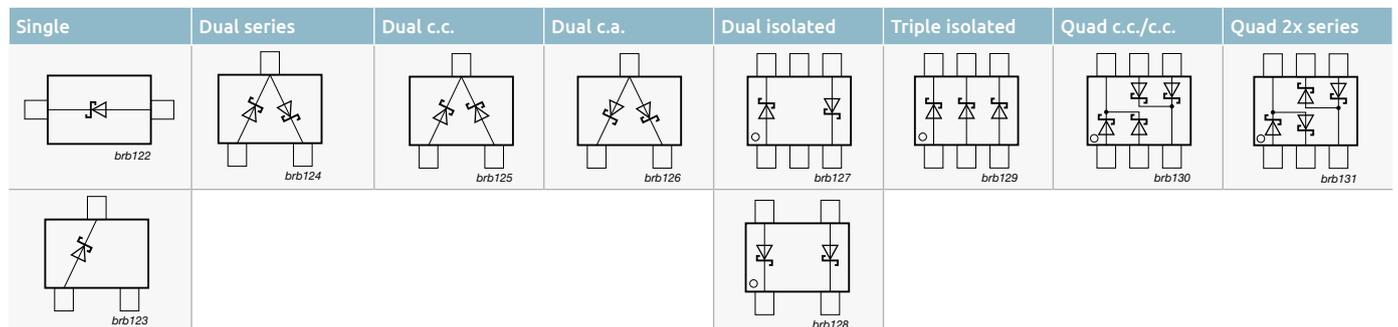
types in **bold** represent new products

| Type name | Package | V_R max (V) | I_F max | I_{FSM} max | P_{tot} max |
|-------------------|---|---------------|-----------|---------------|---------------|
| PSC1065H |  DPAK (TO-252-2) | 650 | 10 | 440 | 58 |
| PSC1065H-Q | | | | | |
| PSC0665K |  TO-220-2 | 650 | 6 | 300 | 37 |
| PSC1065K | | | | | |
| PSC1665J |  D2PAK (TO-263-2) | 650 | 16 | 650 | 90 |
| PSC2065J | | | | | |
| PSC1665L |  TO-247-2 | 650 | 16 | 650 | 95 |
| PSC2065L | | | | | |

Schottky diodes and rectifiers

General purpose Schottky diodes <= 250 mA

| I _F max (mA) | V _R max (V) | V _F max (mV) | @ I _F (mA) | I _{RR} max (µA) | @ V _R (V) | Package | SOD80C (MiniMelf) | SOD68 (DO-34) | SOT23 | SOT143B | SOD123 | | | | |
|-------------------------|------------------------|-------------------------|-----------------------|--------------------------|----------------------|-----------------|---|---|---|---|---|-----------------|--------------|--------------|--|
| | | | | | | |  |  |  |  |  | | | | |
| | | | | | | | Size (mm) | 3.5 x 1.5 x 1.5 | 3.04 x 1.6 x 0.55 | 2.9 x 1.3 x 1.0 | 2.9 x 1.3 x 1.0 | 2.7 x 1.6 x 1.2 | | | |
| P _{tot} (mW) | 300 | 500 | 250 | 250 | 357 | | | | | | | | | | |
| 70 | 70 | 750 | 10 | 0.1 | 50 | Single | | | BAS70 (-Q) | | | | | | |
| | | | | | | Dual series | | | BAS70-04 (-Q) | | | | | | |
| | | | | | | Dual c.c. | | | BAS70-05 (-Q) | | | | | | |
| | | | | | | Dual c.a. | | | BAS70-06 (-Q) | | | | | | |
| | | | | | | Dual isolated | | | | BAS70-07 (-Q) | | | | | |
| | | | | | | Triple isolated | | | | | | | | | |
| 100 | 30 | 350 | 10 | 10 | 10 | Single | | | | | | | | | |
| | | 450 | 10 | 0.5 | 10 | Single | | | | | | | | | |
| 120 | 40 | 500 | 10 | 1 | 30 | Single | | | | | | | | | |
| | | | | | | Single | | | | | | | | | |
| | | | | | | Single | | | | | | BAS40(-Q) | | | |
| | | | | | | Dual series | | | | | BAS40-04(-Q) | | | | |
| | | | | | | Dual c.c. | | | | | BAS40-05(-Q) | | | | |
| | | | | | | Dual c.a. | | | | | BAS40-06(-Q) | | | | |
| | | | | | | Dual isolated | | | | | | BAS40-07(-Q) | | | |
| | | | | | | Triple isolated | | | | | | | | | |
| | | | | | | Quad 2x series | | | | | | | | | |
| | | | | | | Single | | | | | | | | | |
| 200 | 30 | 300 | 10 | 30 | 10 | Single | | | | | | | | | |
| | | | | | | Single | | | | | BAT754 (-Q) | | | | |
| | | | | | | Dual series | | | | | BAT754S (-Q) | | | | |
| | | | | | | Dual c.c. | | | | | BAT754C (-Q) | | | | |
| | | Dual c.a. | | | | | | | | | | | | | |
| | | Triple isolated | | | | | BAT754A (-Q) | | | | | | | | |
| | | 400 | 10 | 200 | 2 | 25 | 25 | Single | BAS85 | BAT85 | BAT54 (-Q) | | BAT54GW | | |
| | | | | | | | | Dual series | | | | | BAT54S (-Q) | | |
| | | | | | | | | Dual c.c. | | | | | BAT54C (-Q) | | |
| | | | | | | | | Dual c.a. | | | | | BAT54A (-Q) | | |
| | Single | | | | | | | | | | | | | | |
| | Single | | | | | | | | | | | | | | |
| | 800 | 100 | 200 | 1 | 25 | 25 | Single | | | | | | | | |
| | | | | | | | Dual series | | | | | | BAT74 | | |
| | | | | | | | Dual c.c. | | | | | | | | |
| | | | | | | | Dual c.a. | | | | | | | | |
| | 40 | 300 | 100 | 10 | 15 | 30 | Single | | | | | | | | |
| | | | | | | | Dual series | | | | | | BAT721 (-Q) | | |
| | | | | | | | Dual c.c. | | | | | | BAT721S (-Q) | | |
| | | | | | | | Dual c.a. | | | | | | BAT721C (-Q) | | |
| 550 | | 100 | 200 | 0.5 | 25 | 25 | Single | | | | | | | | |
| | | | | | | | Single | | | | | | | | |
| | | | | | | | Dual series | | | | | | | | |
| | | | | | | | Dual c.c. | | | | | | | | |
| | | | | | | | Dual c.a. | | | | | | | BAT721A (-Q) | |
| | | | | | | | Single | | | | | | | | |
| 250 | 100 | 350 | 10 | 0.5 | 1.5 | Single | | | | | | | | | |
| | | | | | | Single | | | | | | | | | |
| | | | | | | Single | | | | | | | BAT46GW (-Q) | | |
| | | | | | | Single | | | | | | | | | |
| 420 | 40 | 500 | 100 | 0.5 | 25 | Single | | | | | | | | | |
| | | | | | | Single | | | | | | | | | |
| 500 | 40 | 550 | 0.5 | 100 | 35 | Single | | | | | | | | | |



Types in **bold** represent new products

| Automotive-qualified | | | | | | | | | | |
|----------------------|---|---|---------------------|---|--|---|-------------------------|--|--|--|
| SOD123F | SOT323 (SC-70) | SOT363 (SC-88) | SOD323F (SC-90) | SOD323 (SC-76) | SOD523 (SC-79) | DFN1006-2 (SOD882) / DFN1006-3 (SOT883) | DFN1006 BD-2 (SOD882BD) | DFN1110 D-3 (SOT8015) | DFN1412 D-3 (SOT8009) | |
| | | | | | | | | | | |
| 2.6 x 1.6 x 1.1 | 2.0 x 1.25 x 0.95 | 2.0 x 1.25 x 0.95 | 1.7 x 1.25 x 0.7 | 1.7 x 1.25 x 0.95 | 1.2 x 0.8 x 0.6 | 1.0 x 0.6 x 0.48 | 1 x 0.6 x 0.47 | 1.1 x 1 x 0.47 | 1.4 x 1.2 x 0.47 | |
| 375 | 250 | 300 | 385 | 400 | 275 | 250 | 640 | 400 | 415 | |
| BAS70H (-Q) | BAS70W (-Q) BAS70-04W (-Q) BAS70-05W (-Q) BAS70-06W (-Q) | | | 1PS76SB70 (-Q) | 1PS79SB70 (-Q) | BAS70L (-Q) | BAS70LS (-Q) | | | |
| | | BAS70-07S (-Q) BAS70VY (-Q) BAS70XY (-Q) | | | | | | | | |
| | | | | | | RB521CS30L (-Q) RB520CS30L (-Q) RB751CS40 (-Q) | | | | |
| BAS40H (-Q) | BAS40W (-Q) BAS40-04W (-Q) BAS40-05W (-Q) BAS40-06W (-Q) | BAS40DY (-Q) 1PS88SB48 (-Q) | | RB751V40 (-Q) RB751V45 (-Q) 1PS76SB40 (-Q) | 1PS79SB40 (-Q) | BAS40L (-Q) | BAS40LS (-Q) | | | |
| | | BAS40VY (-Q) BAS40XY (-Q) | | | | | | | | |
| | | | | | 1PS79SB31 (-Q) | | | | | |
| | | BAT754L | | | | | | | | |
| | | | BAT54J (-Q) | 1PS76SB10 (-Q) BAT54HGW (-Q) | 1PS79SB10 (-Q) | BAT54L (-Q) | | | | |
| | | BAT54CY (-Q) | | | | | BAT54CM (-Q) | | | |
| | | | | | | | | BAT32ALS (-Q) | | |
| | | | | | RB521S30 (-Q) RB520S30 (-Q) | | | | | |
| BAT54H (-Q) | BAT54W (-Q) BAT54SW (-Q) | | | | | | | BAT32LS (-Q) BAT54LS (-Q) | BAT54QB (-Q) BAT54QC (-Q) | |
| | BAT54CW (-Q) BAT54AW (-Q) | BAT74S (-Q) BAT54VY (-Q) BAT54XY (-Q) | | | | | | | | |
| | | | | 1PS76SB21 (-Q) | | | | | | |
| | | | | | 1PS79SB30 (-Q) | | | | | |
| | BAT854W (-Q) BAT854SW (-Q) BAT854CW (-Q) BAT854AW (-Q) | | | | | | | | | |
| | | | | 1PS76SB21 (-Q) | | | | | | |
| BAT46WH (-Q) | | | BAT46WJ (-Q) | | | | BAT42LS (-Q) | | | |
| | | | | | | | BAT46LS (-Q) | | | |
| | | | | | | RB530S40 (-Q) | | | | |

Diodes

Low capacitance Schottky diodes

| | | | | | | Automotive-qualified | | | | | |
|-------------------------|------------------------|---|--|-----------------------|-------------------------------|----------------------|-------------------|-------------------|-----------------|--------------------|--|
| I _F max (mA) | V _a max (V) | V _F max (mV) @ I _F (mA) | C _j max (pF) @ V _r = 0 V | Package | SOT23 | SOT323 (SC-70) | SOT363 (SC-88) | SOD323 (SC-76) | SOD523 (SC-79) | DFN1006-2 (SOD882) | |
| | | | | | | | | | | | |
| | | | | Size (mm) | 2.9 x 1.3 x 1.0 | 2.0 x 1.25 x 0.95 | 2.0 x 1.25 x 0.95 | 1.7 x 1.25 x 0.95 | 1.2 x 0.8 x 0.6 | 1.0 x 0.6 x 0.48 | |
| | | | | P _{tot} (mW) | 250 | 250 | 300 | 400 | 500 | 250 | |
| 30 | 4 | 450 | 1 | Single | BAT17 | | | 1PS76SB17 | | 1PS79SB17 | |
| | | | | Triple isolated | | | | | | | |
| | | | | Dual series | PMBD353 PMBD354 ¹⁾ | | | | | | |
| | 15 | 340 | 1 | 1 | Single | | 1PS70SB82 | | | 1PS10SB82 | |
| | | | | | Triple isolated | | 1PS88SB82 | | | | |
| | | | | | Dual series | | 1PS70SB84 | | | | |
| | | | | | Dual c.c. | | 1PS70SB85 | | | | |
| | | | | Dual c.a. | | 1PS70SB86 | | | | | |

Schottky rectifiers - leadless DSN/DFN packages

| I_F max (A) | V_R max (V) | V_F max (mV) @ I_F max | I_R max (mA) @ V_R max | Package | DSN0603-2 (SOD962) | DSN1006-2 (SOD993) | DSN1006U-2 (SOD995) |
|---------------|---------------|-------------------------------|-------------------------------|-----------|---|---|---|
| | | | | |  |  |  |
| | | | | | 0.6 x 0.3 x 0.3 | 1.0 x 0.6 x 0.28 | 1.0 x 0.6 x 0.28 |
| | | | | | 525 | 1.000 | 1.190 |
| | | | | | Optimization | | |
| 0.1 | 30 | 840 | 0.0008 | Low I_R | | | |
| 0.2 | 20 | 420 | 0.045 | Low V_F | PMEG2002AESF | | |
| | | 490 | 0.0035 | Low I_R | PMEG2002ESF | | |
| | 30 | 470 | 0.08 | Low V_F | PMEG3002AESF | | |
| | | 480 | 0.05 | low V_F | | | |
| | | 520 | 0.015 | Low I_R | | | |
| | | 535 | 0.009 | Low I_R | PMEG3002ESF | | |
| | 40 | 525 | 0.08 | Low V_F | PMEG4002AESF | | |
| | | 600 | 0.0065 | Low I_R | PMEG4002ESF | | |
| | | 600 | 0.01 | low I_R | | | |
| | | 600 | 0.1 | low V_F | | | |
| 0.5 | 20 | 390 | 0.2 | low V_F | | | |
| | | 410 | 0.3 | low V_F | | | |
| | | 440 | 1.5 | low V_F | | | |
| | | 500 | 0.03 | low I_R | | | |
| | | 550 | 0.045 | Low V_F | PMEG2005AESF | | |
| | | 620 | 0.0035 | Low I_R | PMEG2005ESF | | |
| | 30 | 500 | 0.5 | low V_F | | | |
| | | 630 | 0.08 | Low V_F | PMEG3005AESF | | |
| | | 670 | 0.015 | Low I_R | | | |
| | | 720 | 0.009 | Low I_R | PMEG3005ESF | | |
| | 40 | 590 | 0.01 | low I_R | | | |
| | | 820 | 0.08 | Low V_F | PMEG4005AESF | | |
| | | 880 | 0.0065 | Low I_R | PMEG4005ESF | | |
| | | | | | | | |
| 1 | 20 | 375 | 1.9 | low V_F | | | |
| | | 415 | 0.6 | low V_F | | | |
| | | 490 | 0.2 | low V_F | | | |
| | 30 | 480 | 1.25 | Low V_F | | PMEG3010AESB | PMEG3010AESA |
| | | 565 | 0.045 | Low I_R | | PMEG3010ESB | |
| | 40 | 505 | 0.115 | Low V_F | | PMEG4010AESB | |
| | | 600 | 0.02 | low I_R | | | |
| | | 610 | 0.04 | Low I_R | | PMEG4010ESB | |
| | 60 | 625 | 0.65 | Low V_F | | PMEG6010AESB | |
| | | 730 | 0.03 | Low I_R | | PMEG6010ESB | |
| 1.5 | 20 | 420 | 0.9 | low V_F | | | |
| | 40 | 610 | 0.03 | low I_R | | | |
| 2 | 20 | 420 | 1.9 | low V_F | | | |
| | | 450 | 0.9 | low V_F | | | |
| | 30 | 470 | 2.5 | low V_F | | | |
| | 40 | 535 | 0.1 | low V_F | | | |
| | 60 | 530 | 0.2 | low V_F | | | |
| | | 575 | 0.25 | low V_F | | | |

| Automotive-qualified | | | | | | |
|---|---|---|---|--|---|---|
| DFN2020-3 (SOT1061) | DFN2020D-3 (SOT1061D) | DFN1608D-2 (SOD1608) | DFN1006-2 (SOD882) | DFN1006D-2 (SOD882D) | DFN1006BD-2 (SOD882BD) | DFN0603-2 (SOD972E) |
|  |  |  |  |  |  |  |
| 2.0 x 2.0 x 0.62 | 2.0 x 2.0 x 0.62 | 1.6 x 0.8 x 0.37 | 1.0 x 0.6 x 0.48 | 1.0 x 0.6 x 0.37 | 1.0 x 0.6 x 0.47 | 0.63 x 0.33 x 0.25 |
| 960 | 960 | 780 | 565 | 660 | 640 | 570 |
| | | | | | | PMEG3001EEF |
| | | | PMEG3002AEL (-Q) | PMEG3002AELD (-Q) | | PMEG3002EEF |
| | | | PMEG4002EL (-Q) | PMEG4002ELD (-Q) | | |
| | | | PMEG6002EL (-Q) | PMEG6002ELD (-Q) | | |
| | | PMEG2005EPK (-Q) | | PMEG2005BELD (-Q) | | |
| | | | PMEG2005AEL (-Q) | PMEG2005AELD (-Q) | | |
| | | | PMEG2005EL (-Q) | PMEG2005ELD (-Q) | | |
| | | | PMEG3005EL (-Q) | PMEG3005ELD (-Q) | PMEG3005ELS (-Q) | |
| | | | | | | PMEG3005EEF |
| | | PMEG4005EPK (-Q) | | | | |
| PMEG2010EPA (-Q) | PMEG2010EPAS (-Q) | | | | | |
| | | PMEG2010EPK (-Q) | | PMEG2010BELD (-Q) | | |
| | | | | | | |
| | | PMEG4010EPK (-Q) | | | | |
| | | | | | | |
| | | PMEG2015EPK (-Q) | | | | |
| | | PMEG4015EPK (-Q) | | | | |
| PMEG2020EPA (-Q) | PMEG2020EPAS (-Q) | | | | | |
| | | PMEG2020EPK (-Q) | | | | |
| PMEG3020EPA (-Q) | PMEG3020EPAS (-Q) | | | | | |
| PMEG4020EPA (-Q) | PMEG4020EPAS (-Q) | | | | | |
| | | PMEG4020EPK (-Q) | | | | |
| PMEG6020EPA (-Q) | PMEG6020EPAS (-Q) | | | | | |

Power Schottky rectifiers - clip-bond packages

Types in **bold** represent new products

| | | | | Automotive-qualified | | | | | | | |
|------------------------|------------------------|---|---|--|---|---|---|--|---|---|--|
| I _F max (A) | V _R max (V) | V _F max (mV) @ I _F max | I _R max (mA) @ V _R max | Package | CFP15 (SOT1289) | CFP15B (SOT1289B) | CFP5 (SOD128) | CFP3-HP (SOD123HP) | CFP3 (SOD123W) | CFP2-HP (SOD323HP) | |
| | | | | |  |  |  |  |  |  | |
| | | | | Size (mm) | 5.8 x 4.3 x 0.78 | 5.8 x 4.3 x 0.95 | 3.8 x 2.5 x 1.0 | 2.8 x 1.8 x 0.9 | 2.6 x 1.7 x 1.0 | 2.2 x 1.3 x 0.68 | |
| | | | | P _{tot} (mW) @ 1 cm ² | 2150 | 2150 | 1200 | 1300 | 1150 | 1200 | |
| | | | | Optimization | | | | | | | |
| 1 | 20 | 340 | 1 | Low V _F | | | | | PMEG2010ER (-Q) | | |
| | | 450 | 0.05 | Low I _R | | | | | PMEG2010BER (-Q) | | |
| | | 500 | 50 | Low V _F | | | | | | PMEG2010EXD (-Q) | |
| | 30 | 360 | 1.5 | Low V _F | | | | PMEG3010EP (-Q) | PMEG3010ER (-Q) | | |
| | | 450 | 0.05 | Low I _R | | | | PMEG3010BEP (-Q) | PMEG3010BER (-Q) | | |
| | | 500 | 60 | Low V _F | | | | | | | PMEG3010EXD (-Q) |
| | 40 | 490 | 0.05 | Low V _F | | | | PMEG4010EP (-Q) | PMEG4010EXE (-Q) | PMEG4010ER (-Q) | |
| | | 460 | 0.022 | Low V _F , Low Q _{rr} | | | | PMEG4010ETP (-Q) | | PMEG4010ETR (-Q) | |
| | | 530 | 50 | Low V _F | | | | | | PMEG40T10ER (-Q) ¹⁾ | |
| | 45 | 520 | 0.02 | Low V _F , Low Q _{rr} | | | | | | | PMEG4010EXD (-Q) PMEG45T10EXD (-Q) ¹⁾ |
| | | 530 | 0.06 | Low V _F | | | | PMEG6010EP (-Q) | PMEG6010EXE (-Q) | PMEG6010ER (-Q) | |
| | 60 | 580 | 50 | Low V _F | | | | | | PMEG6010ETR (-Q) | |
| | | 590 | 0.0008 | Low I _R , Low Q _{rr} | | | | | | | PMEG6010EXD (-Q) |
| | | 600 | 0.00065 | Low I _R , Low Q _{rr} | | | | PMEG60T10ELP (-Q) ¹⁾ | | | |
| | | 640 | 0.0004 | Low I _R , Low Q _{rr} | | | | | | | PMEG60T10ELXD (-Q) ¹⁾ |
| | | 660 | 0.0003 | Low I _R | | | | | | PMEG6010ELR (-Q) | |
| | | 750 | 0.0009 | Low I _R , Low Q _{rr} | | | | | | PMEG100T10ELR (-Q) ¹⁾ | |
| | | 770 | 0.00015 | Low I _R | | | | | | PMEG10010ELR (-Q) | |
| | 100 | 780 | 0.00015 | Low I _R | | | | | PMEG10010ELXE (-Q) | | |
| | | 795 | 0.0005 | Low I _R , Low Q _{rr} | | | | | | | PMEG100T10ELXD (-Q) ¹⁾ |
| 2 | 20 | 520 | 0.05 | Low I _R | | | | | PMEG2020CER (-Q) | | |
| | | 580 | 50 | Low V _F | | | | | | PMEG2020EXD (-Q) | |
| | 30 | 360 | 3 | Low V _F | | | | PMEG3020EP (-Q) | | | |
| | | 420 | 1.5 | Low V _F | | | | PMEG3020CEP (-Q) | PMEG3020ER (-Q) | | |
| | | 450 | 0.1 | Low I _R | | | | PMEG3020BEP (-Q) | | | |
| | | 520 | 0.05 | Low I _R | | | | PMEG3020DEP (-Q) | PMEG3020BER (-Q) | | |
| | 40 | 580 | 60 | Low V _F | | | | | PMEG3020EXE (-Q) | PMEG3020CER (-Q) | |
| | | 490 | 0.1 | Low V _F | | | | PMEG4020EP (-Q) | PMEG4020ER (-Q) | | |
| | | 570 | 0.05 | Low I _R | | | | PMEG4020ETP (-Q) | PMEG4020ETR (-Q) | | |
| | | 515 | 0.022 | Low V _F , Low Q _{rr} | | | | PMEG40T20EP (-Q) ¹⁾ | PMEG4020EXE (-Q) | PMEG4020CER (-Q) | |
| | | 610 | 50 | Low V _F | | | | | | PMEG40T20ER (-Q) ¹⁾ | |
| | 45 | 560 | 0.025 | Low V _F , Low Q _{rr} | | | | | | | PMEG4020EXD (-Q) PMEG45T20EXD (-Q) ¹⁾ |
| | | 60 | 530 | 0.2 | Low V _F | | | | PMEG6020EP (-Q) | PMEG6020ER (-Q) | |
| | 620 | | 0.0012 | Low I _R , Low Q _{rr} | | | | PMEG6020ETP (-Q) | PMEG6020ETR (-Q) | | |
| | 650 | | 0.06 | Low I _R | | | | | PMEG6020EXE (-Q) | PMEG6020CER (-Q) | |
| | 670 | | 0.0007 | Low I _R | | | | PMEG6020AELP (-Q) | PMEG6020AELR (-Q) | | |
| | 700 | | 0.00047 | Low I _R , Low Q _{rr} | | | | | | | PMEG60T20ELXD (-Q) ¹⁾ |
| | 720 | | 50 | Low V _F | | | | | | | PMEG6020EXD (-Q) |
| | 100 | 760 | 0.0003 | Low I _R | | | | | | PMEG6020ELR (-Q) | |
| | | 800 | 0.00125 | Low I _R , Low Q _{rr} | | | | PMEG100T20ELP (-Q) ¹⁾ | | PMEG100T20ELR (-Q) ¹⁾ | |
| 770 | | 0.0003 | Low I _R | | | | PMEG10020AELP (-Q) | | PMEG10020AELR (-Q) | | |
| 830 | | 0.00015 | Low I _R | | | | | | PMEG10020ELR (-Q) | | |
| 840 | | 0.00015 | Low I _R | | | | | PMEG10020ELXE (-Q) | | | |
| 880 | 0.0006 | Low I _R , Low Q _{rr} | | | | | | | PMEG100T20ELXD (-Q) ¹⁾ | | |
| 3 | 20 | 580 | 0.05 | Low I _R | | | | | PMEG2030CER (-Q) | | |
| | | 500 | 0.1 | Low V _F | | | | PMEG3030CEP (-Q) | | | |
| | 30 | 580 | 0.05 | Low I _R | | | | | PMEG3030EXE (-Q) | PMEG3030CER (-Q) | |
| | | 360 | 5 | Low V _F | | | | PMEG3030EP (-Q) | | | |
| | | 450 | 0.15 | Low I _R | | | | PMEG030V030EPE (-Q) | PMEG3030BEP (-Q) | | |
| | 40 | 490 | 0.12 | Low V _F | | | | PMEG040V030EPE (-Q) | | | |
| | | | 0.2 | Low V _F | | | | PMEG4030EP (-Q) | | | |
| | | | | Low V _F | | | | PMEG4030ETP (-Q) | | | |
| | | 525 | 0.028 | Low V _F , Low Q _{rr} | | | | PMEG40T30EP (-Q) ¹⁾ | | PMEG40T30ER (-Q) ¹⁾ | |
| | | 540 | 0.1 | Low V _F | | | | PMEG4030CEP (-Q) | | PMEG4030ER (-Q) | |
| 630 | 0.05 | Low I _R | | | | | | PMEG4030ETR (-Q) | | | |
| 520 | 0.12 | Low V _F | | | | | PMEG4030EXE (-Q) | PMEG4030CER (-Q) | | | |
| | | | | | | | PMEG4030AEXE (-Q) | | | | |

¹⁾ Trench Schottky technology

Power Schottky rectifiers - clip-bond packages

Types in **bold** represent new products

| | | | | Automotive-qualified | | | | | | |
|------------------------|------------------------|---|---|--|---|---|---|--|---|---|
| I _F max (A) | V _R max (V) | V _F max (mV) @ I _F max | I _R max (mA) @ V _R max | Package | CFP15 (SOT1289) | CFP15B (SOT1289B) | CFP5 (SOD128) | CFP3-HP (SOD123HP) | CFP3 (SOD123W) | CFP2-HP (SOD323HP) |
| | | | | |  |  |  |  |  |  |
| | | | | Size (mm) | 5.8 x 4.3 x 0.78 | 5.8 x 4.3 x 0.95 | 3.8 x 2.5 x 1.0 | 2.8 x 1.8 x 0.9 | 2.6 x 1.7 x 1.0 | 2.2 x 1.3 x 0.68 |
| | | | | P _{tot} (mW) @ 1 cm ² | 2150 | 2150 | 1200 | 1300 | 1150 | 1200 |
| | | | | Optimization | | | | | | |
| 3 | 45 | 480 | 0.044 | Low V _F , Low Q _{rr} | PMEG045T030EPD¹⁾ | | | | | |
| | 50 | 530 | 0.1 | Low V _F | | PMEG050V030EPE (-Q) | | | | |
| | | 475 | 0.4 | Low V _F | | | PMEG6030EVP (-Q) | | | |
| | 530 | 0.2 | 0.2 | Low V _F | | PMEG060V030EPE (-Q) | PMEG6030EP (-Q) | | | |
| | | | | Low V _F | | PMEG6030ETP (-Q) | | | | |
| | 560 | 0.18 | Low V _F | | | | PMEG6030AEXE (-Q) | | | |
| | 600 | 0.15 | Low V _F | | | PMEG6030CEP (-Q) | | | | |
| | 620 | 0.0018 | | | PMEG060T030ELPE (-Q)¹⁾ | PMEG60T30ELP (-Q)¹⁾ | | PMEG60T30ELR (-Q)¹⁾ | | |
| | 670 | 0.001 | Low I _R | | | PMEG6030ELP (-Q) | | | | |
| | 750 | 0.0007 | Low I _R | | | PMEG6030CELP (-Q) | | | | |
| | 760 | 0.06 | Low I _R | | | | PMEG6030EXE (-Q) | PMEG6030CER (-Q) | | |
| | 100 | 800 | 0.00175 | Low I _R , Low Q _{rr} | | | PMEG100T30ELP (-Q)¹⁾ | | PMEG100T30ELR (-Q)¹⁾ | |
| | | 770 | 0.00045 | Low I _R | | | PMEG10030ELP (-Q) | | | |
| | | 710 | 0.0025 | Low I _R , Low Q _{rr} | | PMEG100T030ELPE (-Q)¹⁾ | | | | |
| 850 | | 0.0003 | Low I _R | | | PMEG10030CELP (-Q) | | | | |
| 2x2 | 60 | 620 | 0.0012 | Low I _R , Low Q _{rr} | | PMEG060T040CLPE (-Q)¹⁾ | | | | |
| 4.5 | 60 | 530 | 0.4 | Low V _F | | | PMEG6045ETP (-Q) | | | |
| 5 | 30 | 360 | 8 | Low V _F | | | PMEG3050EP (-Q) | | | |
| | | 450 | 0.25 | Low I _R | | | PMEG3050BEP (-Q) | | | |
| | | 500 | 0.15 | Low V _F | | PMEG030V050EPE (-Q) | | | | |
| | | 560 | 0.1 | Low V _F | | | PMEG3050CEP (-Q) | | | |
| | 40 | 490 | 0.3 | Low V _F | | | PMEG4050EP (-Q) | | | |
| | | | 0.3 | Low V _F | | | PMEG4050ETP (-Q) | | | |
| | | 520 | 0.12 | Low V _F | | PMEG040V050EPE (-Q) | | | | |
| | | 525 | 0.041 | Low V _F , Low Q _{rr} | | | PMEG40T50EP (-Q)¹⁾ | | | |
| | 620 | 0.1 | Low V _F | | | PMEG4050CEP (-Q) | | | | |
| | 45 | 490 | 0.3 | Low V _F | | PMEG045V050EPE (-Q) | | | | |
| | | 525 | 0.044 | Low V _F , Low Q _{rr} | PMEG045T050EPD¹⁾ | | | | | |
| | 60 | 560 | 0.4 | Low V _F | | PMEG060V050EPE (-Q) | | | | |
| | | 690 | 0.0018 | Low I _R , Low Q _{rr} | | PMEG060T050ELPE (-Q)¹⁾ | PMEG60T50ELP (-Q)¹⁾ | | | |
| | | 720 | 0.15 | Low V _F | | | PMEG6050CEP (-Q) | | | |
| 780 | | 0.001 | Low I _R | | | PMEG6050ELP (-Q) | | | | |
| 895 | | 0.00175 | Low I _R , Low Q _{rr} | | | PMEG100T50ELP (-Q)¹⁾ | | | | |
| 810 | | 0.0025 | Low I _R , Low Q _{rr} | | PMEG100T050ELPE (-Q)¹⁾ | | | | | |
| 100 | 880 | 0.00045 | Low I _R | | | PMEG10050ELP (-Q) | | | | |
| 2x3 | 60 | 620 | 0.0018 | Low I _R , Low Q _{rr} | | PMEG060T060CLPE (-Q)¹⁾ | | | | |
| 6 | 100 | 840 | 0.00045 | Low I _R | | PMEG100V060EPE (-Q) | | | | |
| 2x4 | 60 | 660 | 0.0018 | Low I _R , Low Q _{rr} | | PMEG060T080CLPE (-Q)¹⁾ | | | | |
| 8 | 100 | 850 | 0.0005 | Low I _R | | PMEG100V080EPE (-Q) | | | | |
| | | 810 | 0.004 | Low I _R , Low Q _{rr} | | PMEG100T080ELPE (-Q)¹⁾ | | | | |
| 2x5 | 60 | 690 | 0.0018 | Low I _R , Low Q _{rr} | | PMEG060T100CLPE (-Q)¹⁾ | | | | |
| 10 | 45 | 490 | 0.6 | Low V _F | | PMEG045V100EPE (-Q) | | | | |
| | | 540 | 0.5 | Low V _F | | PMEG045V100EPE (-Q) | | | | |
| | | 545 | 0.08 | Low V _F , Low Q _{rr} | | PMEG045T100EPE (-Q)¹⁾ | | | | |
| | 60 | 560 | 0.7 | Low V _F | | PMEG060V100EPE (-Q) | | | | |
| | | 850 | 0.0008 | Low I _R | | PMEG100V100EPE (-Q) | | | | |
| | 100 | 810 | 0.005 | Low I _R , Low Q _{rr} | | PMEG100T100ELPE (-Q)¹⁾ | | | | |
| 12 | 100 | 810 | 0.006 | Low I _R , Low Q _{rr} | | PMEG100T120ELPE¹⁾ | | | | |
| 15 | 45 | 570 | 1 | Low V _F | | PMEG045V150EPE (-Q) | | | | |
| | | 550 | 0.1 | Low V _F , Low Q _{rr} | PMEG045T150EPD¹⁾ | | | | | |
| | | 580 | | Low V _F , Low Q _{rr} | PMEG45T15EPD¹⁾ | | | | | |
| | 570 | 0.098 | Low V _F , Low Q _{rr} | PMEG045T150EIPD¹⁾ | | | | | | |
| | 50 | 570 | 1 | Low V _F | | PMEG050V150EPE (-Q) | | | | |
| | | 550 | 0.1 | Low V _F , Low Q _{rr} | PMEG050T150EPD¹⁾ | | | | | |
| 100 | 820 | 0.008 | Low I _R , Low Q _{rr} | | PMEG100T150ELPE¹⁾ | | | | | |
| 20 | 100 | 830 | 0.01 | Low I _R , Low Q _{rr} | | PMEG100T200ELPE¹⁾ | | | | |

Schottky rectifiers - leaded packages

| | | | | | Automotive-qualified | | | | | | | | |
|---------------|---------------|----------------------------|----------------------------|------------------------------------|---|---|---|---|--|---|---|---|--|
| I_F max (A) | V_R max (V) | V_F max (mV) @ I_F max | I_R max (mA) @ V_R max | Package | SOT457 (SC-74) | SOT23 | SOD123 | SOD123F | SOT323 (SC-70) | SOD323F (SC-90) | SOD323 (SC-76) | SOD523 (SC-79) | |
| | | | | |  |  |  |  |  |  |  |  | |
| | | | | Size (mm) | 2.9 x 1.5 x 1.0 | 2.9 x 1.3 x 1.0 | 2.7 x 1.6 x 1.2 | 2.6 x 1.6 x 1.1 | 2.0 x 1.25 x 0.95 | 1.7 x 1.25 x 0.7 | 1.7 x 1.25 x 0.95 | 1.2 x 0.8 x 0.6 | |
| | | | | P_{tot} (mW) @ 1 cm ² | 540 | 420 | 660 | 830 | 400 | 830 | 570 | 500 | |
| Optimization | | | | | | | | | | | | | |
| 0.2 | 30 | 480 | 0.05 | Low V_F | | | | | | | PMEG3002EJ (-Q) | | |
| | 40 | 600 | 0.01 | Low I_R | | | | | | | PMEG4002EJ | | |
| | 60 | 600 | 0.1 | Low V_F | | | | | | | PMEG6002EJ (-Q) | PMEG3010BEA (-Q) | |
| 0.5 | 20 | 390 | 0.2 | Low V_F | | PMEG2005ET (-Q) | PMEG2005EGW (-Q) | PMEG2005EH (-Q) | | | PMEG2005EJ (-Q) | | |
| | | 480 | 0.03 | Low I_R | | | | | | | | | |
| | 30 | 430 | 0.15 | Low V_F | | PMEG3005ET (-Q) | PMEG3005EGW (-Q) | PMEG3005EH (-Q) | | | PMEG3005EJ (-Q) | PMEG4010BEA (-Q) | |
| | | 500 | 0.5 | Low V_F | | | | | | | | PMEG4010CEA | |
| | | 470 | 0.1 | Low V_F | | PMEG4005ET (-Q) | PMEG4005EGW (-Q) | PMEG4005EH (-Q) | | | PMEG4005EJ (-Q) | | |
| 40 | 550 | 1.1 | Low V_F | | BAT720 (-Q) | | | | 1PS70SB20 | | PMEG2015EA (-Q) | | |
| | 640 | 0.008 | Low I_R | | | | | | | PMEG4005CEJ | | | |
| 0.75 | 40 | 740 | 0.008 | Low I_R | | | | | | | PMEG1020EA (-Q) | | |
| 1 | 20 | 430 | 0.2 | Low V_F | | PMEG2010AET (-Q) | | PMEG2010AEH (-Q) | | | | PMEG2020AEA (-Q) | |
| | | 500 | 0.2 | Low V_F | | PMEG2010ET (-Q) | | PMEG2010EH (-Q) | | | PMEG2010EJ (-Q) | | |
| | | 550 | 0.07 | Low I_R | | | | | | | PMEG2010AEJ (-Q) | | |
| | 620 | 1.5 | Low V_F | | | | | | | | | PMEG2010AEB (-Q) | |
| 1 | 30 | 450 | 1 | Low V_F | 1PS74SB23 | | | | | | | | |
| | | 520 | 0.1 | Low I_R | | | | PMEG3010CEH (-Q) | | PMEG3010CEJ (-Q) | | | |
| | | 560 | 0.15 | Low V_F | | PMEG3010ET (-Q) | PMEG3010EGW (-Q) | PMEG3010EH (-Q) | | | PMEG3010BEA (-Q) | | |
| | 680 | 0.5 | Low V_F | | | | | | | | | PMEG3010EB (-Q) | |
| | 40 | 570 | 0.05 | Low I_R | | | PMEG4010CEGW (-Q) | PMEG4010CEH (-Q) | | | PMEG4010CEJ (-Q) | | |
| | | 640 | 0.05 | Low V_F | | PMEG4010ET (-Q) | PMEG4010EGW (-Q) | PMEG4010EH (-Q) | | | PMEG4010EJ (-Q) | PMEG4010BEA (-Q) | |
| | | 840 | 0.008 | Low I_R | | | | | | | | PMEG4010CEA (-Q) | |
| 60 | | 660 | 0.05 | Low I_R | | | PMEG6010CEGW (-Q) | PMEG6010CEH (-Q) | | | PMEG6010CEJ (-Q) | | |
| 1.5 | 20 | 660 | 0.2 | Low I_R | | | | PMEG2015EH (-Q) | | PMEG2015EJ (-Q) | PMEG2015EA (-Q) | | |
| | 30 | 500 | 1 | Low V_F | | | | PMEG3015EH (-Q) | | PMEG3015EJ (-Q) | | | |
| 2 | 10 | 460 | 3 | Low V_F | | | | PMEG1020EH (-Q) | | PMEG1020EJ (-Q) | PMEG1020EA (-Q) | | |
| | 20 | 525 | 0.2 | Low V_F | | | | PMEG2020EH (-Q) | | PMEG2020EJ (-Q) | PMEG2020AEA (-Q) | | |
| | 30 | 620 | 1 | Low V_F | | | PMEG3020EGW (-Q) | PMEG3020EH (-Q) | | PMEG3020EJ (-Q) | | | |
| 3 | 10 | 530 | 3 | Low V_F | | | | PMEG1030EH (-Q) | | PMEG1030EJ (-Q) | | | |

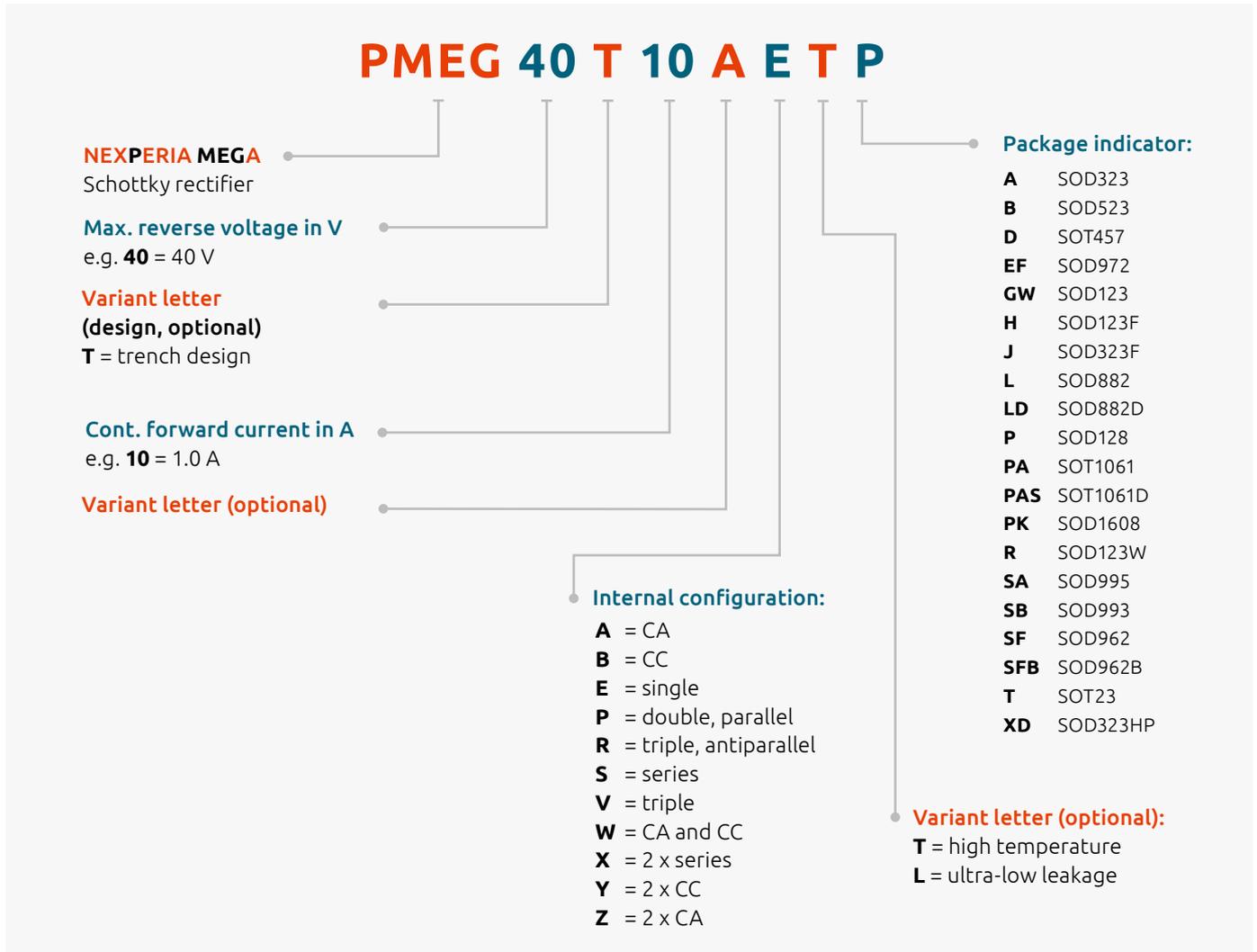
¹⁾ Trench Schottky technology

Dual Schottky rectifiers - leaded/leadless DFN packages

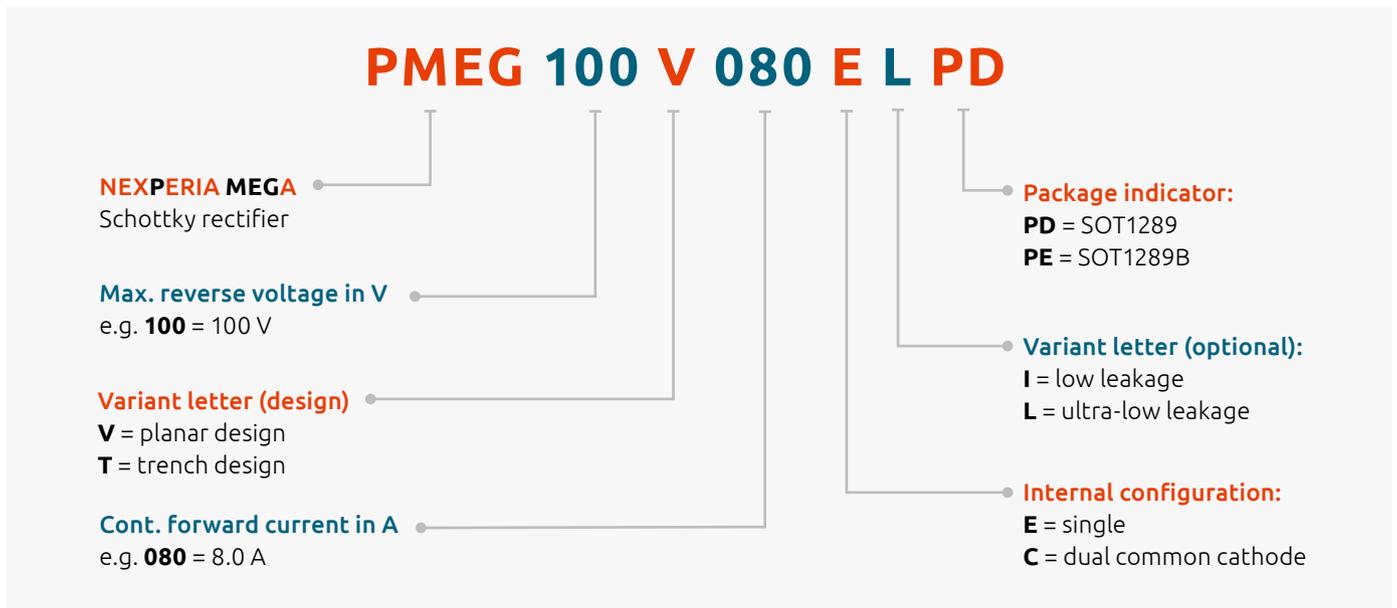
| I_F max (A) | V_R max (V) | V_F max (mV) @ I_F max | I_R max (mA) @ V_R max | Optimization | Package | Automotive-qualified | | | |
|------------------------------------|---------------|----------------------------|----------------------------|--------------|---|--|--|---|---|
| | | | | | | SOT223 (SC-73) | SOT23 | DFN2020-3 (SOT1061) | DFN2020D-3 (SOT1061D) |
| | | | | | |  |  |  |  |
| | | | | | | Size (mm) | 6.5 x 3.5 x 1.65 | 2.9 x 1.3 x 1.0 | 2.0 x 2.0 x 0.62 |
| P_{tot} (mW) @ 1 cm ² | | | | | | 1500 | 400 | 1000 | 1000 |
| 0.5 | 20 | 390 | 0.2 | Low V_F |  | | PMEG2005CT (-Q) | | |
| | 30 | 430 | 0.15 | Low V_F | | PMEG3005CT (-Q) | | | |
| | 40 | 470 | 0.1 | Low V_F | | PMEG4005CT (-Q) | | | |
| 1.0 | 25 | 450 | 1.0 | Low V_F |  | BAT120S (-Q) | | | |
| | | | | Low V_F |  | BAT120C (-Q) | | | |
| | | | | Low V_F |  | BAT120A (-Q) | | | |
| | 40 | 500 | 0.05 | Low V_F |  | | PMEG4010CPA (-Q) | PMEG4010CPAS (-Q) | |
| | 60 | 540 | 0.06 | Low V_F |  | | | PMEG6010CPA (-Q) | PMEG6010CPAS (-Q) |
| | | | | Low V_F |  | BAT160S (-Q) | | | |
| | | 650 | 0.35 | Low V_F |  | BAT160C (-Q) | | | |
| | | | | Low V_F |  | BAT160A (-Q) | | | |
| | 2.0 | 20 | 420 | 1.0 | Low V_F |  | | PMEG2020CPA (-Q) | PMEG2020CPAS (-Q) |
| 30 | | 440 | 2.0 | Low V_F |  | | PMEG3020CPA (-Q) | PMEG3020CPAS (-Q) | |

Diodes

Nomenclature of Schottky rectifiers



Nomenclature of Schottky rectifiers in CFP15 and CFP15B power packages





ESD protection, TVS, filtering and signal conditioning

3

| | |
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Classic In-Vehicle Networks

Types in **bold** represent new products

| Main Application | number of protected lines, bidirectional | V _{RWM} (V) | ESD rating max (kV) [1] | C _{line} typ (pF) | C _{line} max (pF) | I _{ppm} 8/20µs (A) | V _{CL} 8/20µs @ I _{ppm} (V) | Configuration | Type | Package | Size(mm) | | |
|---|--|----------------------|-------------------------|----------------------------|----------------------------|-----------------------------|---|---------------|-------------------------|----------------------------|-------------------|------------|-------------------|
| LIN | 1 | 24 | 30 | 14 | 17 | 3.5 | 42 | | PESD1IVN24A-Q | SOD323 (SC-76) | 1.7 x 1.25 x 0.95 | | |
| | | 27 | 30 | 14 | 17 | 3 | 45 | | PESD1IVN27A-Q | | | | |
| | | 24 | 30 | 14 | 17 | 3.5 | 42 | | PESD1IVN24L-Q | DFN1006-2 (SOD882) | 1.0 x 0.6 x 0.47 | | |
| | | 27 | 30 | 14 | 17 | 3 | 45 | | PESD1IVN27L-Q | | | | |
| | | 24 | 30 | 14 | 17 | 3.5 | 42 | | PESD1IVN24LS-Q | DFN1006BD-2 (SOD882BD) | 1.0 x 0.6 x 0.47 | | |
| | | 27 | 30 | 14 | 17 | 3 | 45 | | PESD1IVN27LS-Q | | | | |
| Classic IVNs single line protection devices | 2 | 24 | 30 | 10 | 12 | 3.8 | 31 | | PESD1CANFD24LS-Q | DFN1006BD-2 (SOD882BD) | 1.0 x 0.6 x 0.47 | | |
| | | 30 | 30 | 9.8 | 11.3 | 3.8 | 34 | | PESD1CANFD30LS-Q | | | | |
| | | 33 | 27 | 9.5 | 11.0 | 3.5 | 36 | | PESD1CANFD33LS-Q | | | | |
| | | 36 | 20 | 8.7 | 10 | 2.9 | 42 | | PESD1CANFD36LS-Q | | | | |
| | | 24 | 30 | 10.0 | 11.5 | 3.8 | 31 | | PESD1CANFD24L-Q | DFN1006-2 (SOD882) | 1.0 x 0.6 x 0.47 | | |
| | | 30 | 30 | 9.8 | 11.3 | 3.9 | 34 | | PESD1CANFD30L-Q | | | | |
| | | 33 | 27 | 9.5 | 11.0 | 3.8 | 36 | | PESD1CANFD33L-Q | | | | |
| | | 36 | 20 | 8.7 | 10.0 | 2.9 | 42 | | PESD1CANFD36L-Q | | | | |
| CAN FlexRay | 2 | 24 | 30 | 14 | 17 | 3.5 | 42 | | PESD2IVN24T-Q | SOT23 | 2.9 x 1.3 x 1.0 | | |
| | | 27 | 30 | 14 | 17 | 3 | 45 | | PESD2IVN27-T | | | | |
| | | 24 | 30 | 14 | 17 | 3.5 | 42 | | PESD2IVN24-U | SOT323 | 2.0 x 1.25 x 0.95 | | |
| | | 27 | 30 | 14 | 17 | 3 | 45 | | PESD2IVN27-U | | | | |
| | | 24 | 30 | 13.6 | 16 | 5.3 | 35 | | PESD2CAN24T-Q | SOT23 | 2.9 x 1.3 x 1.0 | | |
| | | 24 | 30 | 25 | 30 | 9 | 33.5 | | PESD2CAN24LT-Q | | | | |
| | | 24 | 30 | 31 | 37 | 12 | 33.0 | | PESD2CAN24XLT-Q | | | | |
| CAN-FD CAN FlexRay | 2 | 24 | 15 | 3.2 | 3.5 | 1.9 | 43 | | PESD2CANFD24U-T | SOT23 | 2.9 x 1.3 x 1.0 | | |
| | | | 23 | 5.2 | 6 | 2.6 | 42 | | PESD2CANFD24VT-Q | | | | |
| | | | 30 | 9 | 10 | 4.0 | 41 | | PESD2CANFD24LT-Q | | | | |
| | | 27 | 15 | 3.6 | 4 | 1.8 | 45 | | PESD2CANFD27U-T | | | | |
| | | | 20 | 5.2 | 6 | 2.5 | 44 | | PESD2CANFD27V-T | | | | |
| | | | 30 | 9 | 10 | 3.9 | 42 | | PESD2CANFD27L-T | | | | |
| | | 36 | 15 | 3.6 | 4 | 2 | 45 | | PESD2CANFD36UT-Q | | | | |
| | | | 23 | 5.2 | 6 | 2 | 45 | | PESD2CANFD36VT-Q | | | | |
| | | | 30 | 9 | 10 | 2 | 45 | | PESD2CANFD36LT-Q | | | | |
| | | 24 | 15 | 3.2 | 3.5 | 1.9 | 43 | | PESD2CANFD24U-U | | | SOT323 | 2.0 x 1.25 x 0.95 |
| | | | 23 | 5.2 | 6 | 2.6 | 42 | | PESD2CANFD24V-U | | | | |
| | | | 30 | 9 | 10 | 4.0 | 41 | | PESD2CANFD24LU-Q | | | | |
| | | 27 | 15 | 3.6 | 4 | 1.8 | 45 | | PESD2CANFD27U-U | | | | |
| | | | 20 | 5.2 | 6 | 2.5 | 44 | | PESD2CANFD27V-U | | | | |
| | | | 30 | 9 | 10 | 4.0 | 41 | | PESD2CANFD27LU-Q | | | | |
| | | 36 | 15 | 3.6 | 4 | 2 | 45 | | PESD2CANFD36UU-Q | | | | |
| | | | 23 | 5.2 | 6 | 2 | 45 | | PESD2CANFD36VU-Q | | | | |
| | | | 30 | 9 | 10 | 2 | 45 | | PESD2CANFD36LU-Q | | | | |
| | | 48 | 30 | 7.1 | 8.6 | 3.5 | 67 | | PESD2IVN48T-Q | SOT23 | 2.9 x 1.3 x 1.0 | | |
| | | 54 | 17 | 3,1 | 3,6 | 2,8 | 74 | | PESD2CANFD54VT-Q | | | | |
| | | | 30 | 5,1 | 6 | 4,0 | 73 | | PESD2CANFD54LT-Q | | | | |
| | | 60 | 17 | 3,1 | 3,6 | 2,6 | 78 | | PESD2CANFD60VT-Q | | | | |
| | | | 24 | 5,2 | 6 | 4 | 77 | | PESD2CANFD60LT-Q | | | | |
| | | 72 | 15 | 2,8 | 3,4 | 1,9 | 93 | | PESD2CANFD72VT-Q | | | | |
| 20 | 4,5 | | 5,4 | 3 | 94 | PESD2CANFD72LT-Q | | | | | | | |

Classic In-Vehicle Networks

Types in **bold** represent new products

| Main Application | number of protected lines, bidirectional | V_{RWM} (V) | ESD rating max (kV) [1] | C_{line} typ (pF) | C_{line} max (pF) | I_{PPM} 8/20µs (A) | V_{CL} 8/20µs @ I_{PPM} (V) | Configuration | Type | Package | Size(mm) |
|---------------------------------|--|---------------|-------------------------|---------------------|---------------------|----------------------|---------------------------------|---------------|--------------------------|----------------------|------------------|
| CAN-FD CAN FlexRay | 2 | 24 | 15 | 3.2 | 3.5 | 1.9 | 43 | | PESD2CANFD24UQB-Q | DFN1110D-3 (SOT8015) | 1.1 x 1.0 x 0.48 |
| | | | 23 | 5.2 | 6 | 2.6 | 42 | | PESD2CANFD24VQB-Q | | |
| | | 27 | 15 | 3.6 | 4 | 1.8 | 45 | | PESD2CANFD27UQB-Q | | |
| | | | 20 | 5.2 | 6 | 2.5 | 44 | | PESD2CANFD27VQB-Q | | |
| | | 33 | 17 | 4.1 | 4.5 | 2 | 38 | | PESD2CANFD33UQB-Q | | |
| | | 36 | 12 | 3.9 | 4.3 | 1.6 | 44 | | PESD2CANFD36UQB-Q | | |
| | | 36 | 20 | 5.4 | 6 | 2.3 | 43 | | PESD2CANFD36VQB-Q | | |
| | | | 20 | 8.7 | 10 | 2.9 | 42 | | PESD2CANFD36LQB-Q | | |
| | | 24 | 15 | 3.2 | 3.5 | 1.9 | 43 | | PESD2CANFD24U-QC | | |
| | | | 23 | 5.2 | 6 | 2.6 | 42 | | PESD2CANFD24V-QC | | |
| | | 27 | 15 | 3.6 | 4 | 1.8 | 45 | | PESD2CANFD27U-QC | | |
| | | | 20 | 5.2 | 6 | 2.5 | 44 | | PESD2CANFD27V-QC | | |
| | | 36 | 12 | 3.9 | 4.3 | 1.6 | 44 | | PESD2CANFD36U-QC | | |
| | | | 20 | 5.4 | 6.0 | 2.3 | 42 | | PESD2CANFD36V-QC | | |
| | | | 20 | 8.7 | 10.0 | 2.9 | 42 | | PESD2CANFD36L-QC | | |

ESD protection, TVS, filtering and signal conditioning

Automotive Ethernet

Types in **bold** represent new products

| Main Application | Number of protected lines | V_{RWM} (V) | $V_{trigger}$ min(V) | ESD rating max (kV) [1] | C_{line} typ (pF) | C_{line} max (pF) | I_{PPM} max (µA) | Configuration | Type | Package | Size (mm) |
|--|---------------------------|---------------|----------------------|-------------------------|---------------------|---------------------|--------------------|---------------|-----------------------|------------------------|------------------|
| 100BASE-T1 1000BASE-T1 | 1 | 24 | 100 | 30 | 1.5 | 1.8 | 2.3 | | PESD1ETH1GLS-Q | DFN1006BD-2 (SOD882BD) | 1.0 x 0.6 x 0.48 |
| | | | | | 0.9 | 1.2 | 2.3 | | PESD1ETH1GXLS-Q | | |
| 100BASE-T1 | 2 | 24 | 100 | 30 | - | - | - | | PESD2ETH1GT-Q | SOT23 | 2.9 x 1.3 x 1.0 |
| | | | | | 1.1 | 1.3 | 2.3 | | PESD2ETH1GXT-Q | | |
| - | - | - | - | - | - | - | PESD2ETH100T-Q | | | | |
| 10BASE-T1s | 1 | 24 | 100 | 18 | 0.35 | 0.4 | 2.3 | | PESD1ETH10LS-Q | DFN1006BD-2 (SOD882BD) | 1.0 x 0.6 x 0.47 |
| | | | | | 0.35 | 0.4 | | | PESD1ETH10L-Q | | |
| 10/100/1000 Mbit/s Ethernet at the PHY | 2 | 5 | - | 8 | - | - | - | | PESD2ETHX-Q | SOT143B | 2.9 x 1.3 x 1.0 |
| | | | | 12 | 1.8 | - | - | | PESD2ETHAX-Q | | |
| | | | | 8 | 1.3 | 1.5 | - | | PESD2ETHD-Q | SOT457 | 2.9 x 1.5 x 1.0 |
| | | | | 12 | 2 | 2.3 | - | | PESD2ETHAD-Q | | |
| | 1 | 5.5 | - | 10 | 0.4 | 0.55 | 2.5 | | PESD5V0F1BL-Q | DFN1006-2 (SOD882) | 1.0 x 0.6 x 0.48 |
| | | | | 10 | 0.4 | 0.55 | 2.5 | | PESD5V0F1BLD-Q | | |

Infotainment/SerDes

Types in **bold** represent new products

| Main Application | Number of Protected lines | V _{FWHM} (V) | ESD rating max (kV) [1] | C _{line} typ (pF) | C _{line} max (pF) | I _{PPM} 8/20µs (A) | V _{CL} 8/20µs typ (V) | Configuration | Type | Package | Size (mm) | |
|--|---------------------------|-----------------------|-------------------------|----------------------------|----------------------------|-----------------------------|--------------------------------|-------------------------------|------------------------------|-----------------------------|-------------------------|-------------------------|
| USBx HDMI LVDS SerDes GSML FPD Link Mgbit Ethernet | 2 | 3.3 | 18 | 0.83 | 1 | 8 | 2.6 V @ 8 A | | PESD2USB3UVT-Q | SOT23 | 2.9 x 1.3 x 1.0 | |
| | | 3.3 | 8 | 0.56 | 0.7 | 4 | 3.3 V @ 8 A | | PESD2USB3UXT-Q | | | |
| | | 5 | 22 | 0.76 | 0.9 | 10 | 2.4 V @ 8 A | | PESD2USB5UVT-Q | | | |
| | | 5 | 8 | 0.47 | 0.6 | 4 | 3.3 V @ 8 A | | PESD2USB5UXT-Q | | | |
| | 4 | 3.3 | 15 | 0.29 | 0.34 | 7 | 3 V @ 5 A | | PESD4USB3UTBR-Q | DFN2510A-10 (SOT1176-1) | 2.5 x 1.0 x 0.5 | |
| | | | 5 | 15 | 0.29 | 0.34 | 7 | | 3 V @ 5 A | | | PESD4USB5UTBR-Q |
| | | | 5 | 15 | 0.17 | 0.23 | 7 | 5 V @ 5 A | | | | PESD4USB3BTBR-Q |
| | | | 5 | 15 | 0.17 | 0.23 | 7 | 5 V @ 5 A | | | | PESD4USB5BTBR-Q |
| | | | 3.3 | 15 | 0.17 | 0.2 | 6.5 | 5.4 | | | | PESD4USB3BBTBR-Q |
| | | | 3.3 | 15 | 0.19 | 0.23 | 6.5 | 5.4 | | | | PESD4USB3BCTBR-Q |
| | | | 5 | 15 | 0.19 | 0.23 | 6.5 | 5.4 | | | | PESD4USB5BBTBR-Q |
| | | | 3.3 | 15 | 0.29 | 0.34 | 6.5 | 2.9 | | | | PESD4USB3UCTBR-Q |
| | | 5 | 15 | 0.29 | 0.34 | 6.5 | 2.9 | | PESD4USB5UBTBR-Q | DFN2510D-10 (SOT1176D) | | |
| | | | | 3.3 | 15 | 0.29 | 0.34 | | 7 | | 3 V @ 5 A | PESD4USB3UTBS-Q |
| | | | 5 | 15 | 0.29 | 0.34 | 7 | 3 V @ 5 A | | | PESD4USB5UTBS-Q | |
| | | | 3.3 | 15 | 0.17 | 0.23 | 7 | 5 V @ 5 A | | | PESD4USB3BTBS-Q | |
| | | | 5 | 15 | 0.17 | 0.23 | 7 | 5 V @ 5 A | | | PESD4USB5BTBS-Q | |
| | | | 3.3 | 15 | 0.23 | 0.3 | 6.5 | 5 | | | PESD4USB3BBTBS-Q | |
| | | | 5 | 15 | 0.23 | 0.3 | 6.5 | 5 | | | PESD4USB5BBTBS-Q | |
| | | | 3.3 | 15 | 0.4 | 0.5 | 6.5 | 3 | | | PESD4USB3UBTBS-Q | |
| | | 3.3 | 15 | 0.4 | 0.5 | 6.5 | 3 | | PESD4USB5UBTBS-Q | DFN2510D-10 (SOT1176D) | | |
| | | | | 5 | 15 | 0.29 | 0.34 | | 7 | | 3 V @ 5 A | PESD4USB3UTTS-Q |
| | | | 5 | 15 | 0.29 | 0.34 | 7 | 3 V @ 5 A | | | PESD4USB5UTTS-Q | |
| | | | 3.3 | 15 | 0.17 | 0.23 | 7 | 5 V @ 5 A | | | PESD4USB3BTTS-Q | |
| | | | 5 | 15 | 0.17 | 0.23 | 7 | 5 V @ 5 A | | | PESD4USB5BTTS-Q | |
| | | | 3.3 | 15 | 0.23 | 0.3 | 6.5 | 5.2 | | | PESD4USB3BBTTS-Q | |
| | | | 5 | 15 | 0.23 | 0.3 | 6.5 | 5.2 | | | PESD4USB5BBTTS-Q | |
| | | | 3.3 | 15 | 0.4 | 0.5 | 6.5 | 2.9 | | | PESD4USB3UBTTS-Q | |
| | | 5 | 15 | 0.4 | 0.5 | 6.5 | 2.9 | | PESD4USB5UBTTS-Q | DFN2510D-10 (SOT1176D) | | |
| | | | | 5 | 15 | 0.6 | 6.5 | | 3.5V@8A TLP | | 1 | |
| | | | 5 | 15 | 0.3 | 6.5 | 5.4V@8A TLP | 1 | | | PESD5V0C1BLS-Q | |
| | | | 5.5 | 15 | 0.6 | 6.5 | 3.5V@8A TLP | 1 | | | PESD5V5C1UL-Q | |
| 5.5 | 15 | | 0.3 | 6.5 | 5.4V@8A TLP | 1 | | PESD5V5C1BL-Q | | | | |
| 5 | 15 | | 0.5 | 0.6 | 5 | 3.4@6.5A | | PESD5V0C2UM-Q | DFN1006-3 (SOT883) | | | |
| 5 | 15 | | 0.25 | 6.5 | 6 | 1 | | | | | PESD5V0H1BLL-Q | |
| 5 | 15 | | 0.25 | 6,25 | 5 | 1 | | PESD5V0H1BLG-Q | DFN1006LD-2 (SOD882LD-1) | | 1.0 x 0.6 x 0.45 | |
| 5 | 15 | 0.25 | 6,25 | 5 | 5 | | PESD5V0H2BFG-Q | DFN1006LD-3 (SOT8079LD-1) | 1.0 x 0.6 x 0.45 | | | |

Infotainment/SerDes

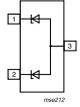
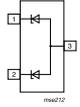
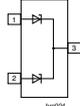
Types in **bold** represent new products

| Main Application | Number of protected lines | V_{RWM} (V) | ESD rating max (kV) [1] | C_{line} typ (pF) | C_{line} max (pF) | I_{PP} 8/20 μ s (A) | V_{CL} 8/20 μ s typ (V) | Configuration | Type | Package | Size (mm) |
|--|---------------------------|---------------|-------------------------|---------------------|---------------------|---------------------------|-------------------------------|--|-----------------------|------------------------|------------------|
| Audio Interface Charger Port Antenna (NFC, WiFi) LVDS | 1 | 4.5 | 30 | 65 | 78 | 34 | 13.2 |  | PTVS4V5D1BL | DFN1006-2 (SOD882) | 1.0 x 0.6 x 0.48 |
| | | 5.5 | 30 | 70 | 84 | 35 | 12.2 | | PTVS5V5D1BL | | |
| | | 18 | 10 | 0.35 | 0.5 | | 17 | | PESD18VF1BBL-Q | | |
| | | 24 | 10 | 0.3 | 0.45 | | 17 | | PESD24VF1BBL-Q | | |
| | | 30 | 10 | 0.27 | 0.4 | | 17 | | PESD30VF1BBL-Q | | |
| | | 18 | 10 | 0.31 | 0.45 | 1 | 17 | | PESD18VF1BLS-Q | DFN1006BD-2 (SOD882BD) | 1.0 x 0.6 x 0.47 |
| | | 24 | 10 | 0.28 | 0.4 | 1 | 17 | | PESD24VF1BLS-Q | | |
| | | 30 | 10 | 0.28 | 0.4 | 1 | 17 | | PESD30VF1BLS-Q | | |
| | | 32 | 10 | 0.28 | 0.4 | 1 | 17 | | PESD32VF1BLS-Q | | |
| | | 5 | 30 | 35 | 45 | 12 | 14 | | PESD5V0S1BLD-Q | DFN1006D-2 (SOD882D) | 1.0 x 0.6 x 0.37 |
| | | 5 | 30 | 11 | 13 | 4.8 | 12.5 | | PESD5V0V1BLD-Q | | |
| | | 5.5 | 10 | 0.4 | 0.55 | 2.5 | 15 | | PESD5V0F1BLD-Q | | |
| | | | 10 | 0.4 | 0.55 | 2.5 | 15 | | PESD5V0F1BRLD-Q | | |

ESD protection, TVS, filtering and signal conditioning

[1] According to IEC 61000-4-2

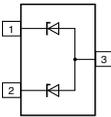
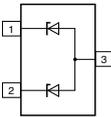
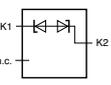
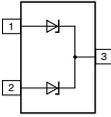
TVS diodes, 24 W/40 W

| Power (W) (10 / 1000 μ s waveform) [1] | V_{RWM} (V) | V_{min} (V) @ I | V_{typ} (V) @ I | V_{BR} max (V) @ I_R | I_R (mA) | ESD rating max (kV) | C typ (pF) | V_{CL} max (V) @ I_{PP} [1] | I_{PP} (A) [1] | I_{RM} max (μ A) @ V_{RWM} | Configuration | Type | Package | Size (mm) | |
|--|---------------|-------------------|-------------------|--------------------------|------------|---------------------|------------|---------------------------------|------------------|-------------------------------------|--|--|-------------|-----------------|--------------|
| 24 | 3 | 5.32 | 5.6 | 5.88 | 20 | 30 | 210 | 8 | 3 | 5 |  | MMBZ5V6AL-Q | SOT23 | 2.9 x 1.3 x 1.0 | |
| | | 5.89 | 6.2 | 6.51 | 1 | 30 | 175 | 8.7 | 2.76 | 0.2 | | MMBZ6V2AL-Q | | | |
| | 4.5 | 6.48 | 6.8 | 7.14 | 1 | 30 | 150 | 9.6 | 2.5 | 0.3 | | MMBZ6V8AL-Q | | | |
| | 6 | 8.65 | 9.1 | 9.56 | 1 | 30 | 155 | 14 | 1.7 | 0.1 | | MMBZ9V1AL-Q | | | |
| | 6.5 | 9.5 | 10 | 10.5 | 1 | 30 | 130 | 14.2 | 1.7 | 0.02 | | MMBZ10VAL-Q | | | |
| 40 | 8.5 | 11.4 | 12 | 12.6 | 1 | 30 | 110 | 17 | 2.35 | 0.005 |  | MMBZ12VAL-Q | | | |
| | | 12 | 14.25 | 15 | 15.75 | 1 | 30 | 85 | 21 | 1.9 | | 0.005 | | | MMBZ15VAL-Q |
| | | 13 | 15.2 | 16 | 16.8 | 1 | 30 | 76 | 23 | 1.9 | | 0.005 | | | MMBZ16VAL-Q |
| | | 13 | 15.68 | 16 | 16.32 | 1 | 30 | 76 | 23 | 1.9 | | 0.005 | | | MMBZ16VTAL-Q |
| | | 14.5 | 17.1 | 18 | 18.9 | 1 | 30 | 70 | 25 | 1.6 | | 0.005 | | | MMBZ18VAL-Q |
| | | 17 | 19 | 20 | 21 | 1 | 30 | 65 | 28 | 1.4 | | 0.005 | | | MMBZ20VAL-Q |
| | | 22 | 25.65 | 27 | 28.35 | 1 | 30 | 48 | 40 | 1 | | 0.005 | | | MMBZ27VAL-Q |
| | 26 | 31.35 | 33 | 34.65 | 1 | 30 | 45 | 46 | 0.87 | 0.005 | MMBZ33VAL-Q | | | | |
| | 8.5 | 12.8 | 11.4 | 12 | 12.6 | 1 | 30 | 110 | 17 | 2.35 | 0.005 |  | | | MMBZ12VDL-Q |
| | | | 14.3 | 15 | 15.8 | 1 | 30 | 85 | 21.2 | 1.9 | 0.005 | | MMBZ15VDL-Q | | |
| | | | 14.5 | 17.1 | 18 | 18.9 | 1 | 30 | 70 | 25 | 1.6 | | 0.005 | MMBZ18VCL-Q | |
| | | | 17 | 19 | 20 | 21 | 1 | 30 | 65 | 28 | 1.4 | | 0.005 | MMBZ20VCL-Q | |
| | | | 22 | 25.65 | 27 | 28.35 | 1 | 30 | 48 | 38 | 1 | | 0.005 | MMBZ27VCL-Q | |
| | | | 26 | 31.35 | 33 | 34.65 | 1 | 30 | 45 | 46 | 0.87 | | 0.005 | MMBZ33VCL-Q | |

[1] 10/1000 μ s according to IEC 61643-3:21

New MMBZ TVS diodes, lightning pulse

Types in **bold** represent new products

| V_{RWM} (V) | V_{BR} min (V) @ I | V_{BR} typ (V) @ I | V_{BR} max (V) @ I_R | ESD rating max (kV) | C typ (pF) | V_{CL} typ (V) @ I_{PPM} | I_{PPM} 8/20 μ s (A) ¹⁰ | I_{RM} max (μ A) @ V_{RWM} | Configuration | Type | Package | Size (mm) | | | |
|---------------|----------------------|----------------------|--------------------------|---------------------|------------|------------------------------|--|-------------------------------------|---|--|--|--|--------------------|--|-----------------|
| 3 | 5.1 | 5.6 | 6.1 | 30 | 200 | 13 | 18 | 0.5 |  | MMBZ5V6A-T |  SOT23 | 2.9 x 1.3 x 1.0 | | | |
| | 5.7 | 6.2 | 6.7 | 30 | 88 | 12 | 8.8 | 0.2 | | MMBZ6V2A-T | | | | | |
| 4.5 | 6.3 | 6.8 | 7.3 | 30 | 150 | 13.6 | 15 | 0.3 | | MMBZ6V8A-T | | | | | |
| 6 | 8.65 | 9.1 | 9.56 | 30 | 60 | 20 | 10.5 | 0.05 | | MMBZ9V1A-T | | | | | |
| 6.5 | 9.5 | 10 | 10.5 | 30 | 55 | 18 | 8 | 0.05 | | MMBZ10VA-T | | | | | |
| 8.5 | 11.4 | 12 | 12.6 | 30 | 45 | 21 | 7 | 0.05 | | MMBZ12VA-T | | | | | |
| 12 | 14.25 | 15 | 15.75 | 30 | 36 | 24 | 6 | 0.05 | | MMBZ15VA-T | | | | | |
| 13 | 15.2 | 16 | 16.8 | 30 | 30 | 27 | 4.8 | 0.05 | | MMBZ16VA-T | | | | | |
| 15 | 17.1 | 18 | 18.9 | 30 | 30 | 28 | 4.8 | 0.05 | | MMBZ18VA-T | | | | | |
| 17 | 19 | 20 | 21 | 30 | 26 | 32 | 3.8 | 0.05 | | MMBZ20VA-T | | | | | |
| 22 | 25.65 | 27 | 28.35 | 30 | 22 | 46 | 4.2 | 0.05 | | MMBZ27VA-T | | | | | |
| 26 | 31.3 | 33 | 34.7 | 30 | 20 | 49 | 2.8 | 0.05 | | MMBZ33VA-T | | | | | |
| 3 | 5.1 | 5.6 | 6.1 | 30 | 200 | 13 | 18 | 0.5 | |  | | | MMBZ5V6AT-Q |  SOT23 | 2.9 x 1.3 x 1.0 |
| 3 | 5.7 | 6.2 | 6.7 | 30 | 88 | 12 | 8.8 | 0.2 | | | | | MMBZ6V2AT-Q | | |
| 4.5 | 6.3 | 6.8 | 7.3 | 30 | 150 | 13.6 | 15 | 0.3 | | | | | MMBZ6V8AT-Q | | |
| 6 | 8.65 | 9.1 | 9.56 | 30 | 60 | 20 | 10.5 | 0.05 | | | | | MMBZ9V1AT-Q | | |
| 6.5 | 9.5 | 10 | 10.5 | 30 | 55 | 18 | 8 | 0.05 | | | | | MMBZ10VAT-Q | | |
| 8.5 | 11.4 | 12 | 12.6 | 30 | 45 | 21 | 7 | 0.05 | | | | | MMBZ12VAT-Q | | |
| 12 | 14.25 | 15 | 15.75 | 30 | 36 | 24 | 6 | 0.05 | | | | | MMBZ15VAT-Q | | |
| 13 | 15.2 | 16 | 16.8 | 30 | 30 | 27 | 4.8 | 0.05 | | | | | MMBZ16VAT-Q | | |
| 15 | 17.1 | 18 | 18.9 | 30 | 30 | 28 | 4.8 | 0.05 | MMBZ18VAT-Q | | | | | | |
| 17 | 19 | 20 | 21 | 30 | 26 | 32 | 3.8 | 0.05 | MMBZ20VAT-Q | | | | | | |
| 22 | 25.65 | 27 | 28.35 | 30 | 22 | 46 | 4.2 | 0.05 | MMBZ27VAT-Q | | | | | | |
| 26 | 31.3 | 33 | 34.7 | 30 | 20 | 49 | 2.8 | 0.05 | MMBZ33VAT-Q | | | | | | |
| 24 | 25 | - | 35 | 30 | 14 | 33 | 3.5 | 0.05 |  | | MMBZ27VS-T |  SOT23 | 2.9 x 1.3 x 1.0 | | |
| 27 | 38 | 33 | 38 | 30 | 13 | 36 | 3.5 | 0.05 | | | MMBZ33VS-T | | | | |
| 24 | 25 | - | 35 | 30 | 14 | 33 | 3.5 | 0.05 | | | MMBZ27VST-Q | | | | |
| 27 | 38 | 33 | 38 | 30 | 13 | 36 | 3.5 | 0.05 | MMBZ33VST-Q | | | | | | |
| 22 | 25.65 | 27 | 28.35 | 30 | 22 | 40 | 3.2 | 0.05 |  | | MMBZ27VC-T |  SOT23 | 2.9 x 1.3 x 1.0 | | |
| 26 | 31.4 | 33 | 34.7 | 20 | 20 | 49 | 2.8 | 0.05 | | | MMBZ33VC-T | | | | |
| 22 | 25.65 | 27 | 28.35 | 30 | 22 | 40 | 3.2 | 0.05 | | | MMBZ27VCT-Q | | | | |
| 26 | 31.4 | 33 | 34.7 | 20 | 20 | 49 | 2.8 | 0.05 | | | MMBZ33VCT-Q | | | | |

New MMBZ TVS diodes, lightning pulse

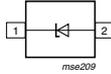
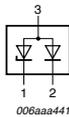
Types in **bold** represent new products

| V_{RWM} (V) | V_{BR} min (V) @ I | V_{BR} typ (V) @ I | V_{BR} max (V) @ I_r | ESD rating max (kV) | C typ (pF) | V_{CL} typ (V) @ I_{PPM} | I_{PPM} 8/20 μ s (A) ^{pw} | I_{RM} max (μ A) @ V_{RWM} | Configuration | Type | Package | Size (mm) |
|---------------|----------------------|----------------------|--------------------------|---------------------|------------|------------------------------|--|-------------------------------------|---------------|---------------------|----------------------------|-------------------|
| 24 | 25.5 | - | 35.5 | 30 | 9 | 31 | 4 | 0.05 | | MMBZ27VB-U | SOT323 | 2.0 x 1.25 x 0.95 |
| 27 | 28 | 33 | 38 | 30 | 9 | 31 | 3.9 | 0.05 | | MMBZ33VB-U | | |
| 24 | 25.5 | - | 35.5 | 30 | 9 | 31 | 4 | 0.05 | | MMBZ27VB-U-Q | | |
| 27 | 28 | 33 | 38 | 30 | 9 | 31 | 3.9 | 0.05 | | MMBZ33VB-U-Q | | |
| 24 | 25.5 | - | 35.5 | 30 | 14 | 33 | 3.5 | 0.05 | | MMBZ27VZ-LS | DFN1006BD-2 (SOD882BD) | 1.0 x 0.6 x 0.47 |
| 27 | 38 | 33 | 38 | 30 | 14 | 36 | 3 | 0.05 | | MMBZ33VZ-LS | | |
| 24 | 25.5 | - | 35.5 | 30 | 14 | 33 | 3.5 | 0.05 | | MMBZ27VZLS-Q | | |
| 27 | 38 | 33 | 38 | 30 | 14 | 36 | 3 | 0.05 | | MMBZ33VZLS-Q | | |
| 24 | 25.5 | - | 35.5 | 20 | 6 | 33 | 2.6 | 0.05 | | MMBZ27VB-QC | DFN1412D-3 (SOT8009) | 1.1 x 1.0 x 0.48 |
| 27 | 28 | - | 38 | 17 | 6 | 33 | 2.5 | 305 | | MMBZ33VB-QC | | |
| 24 | 25.5 | - | 35.5 | 20 | 6 | 33 | 2.6 | 0.05 | | MMBZ27VBQC-Q | | |
| 27 | 28 | - | 38 | 17 | 6 | 33 | 2.5 | 0.05 | | MMBZ33VBQC-Q | | |
| 24 | 25.5 | - | 30.5 | 20 | 6 | 33 | 2.6 | 0.05 | | MMBZ27VB-QB | DFN1110D-3 (SOT8015) | 1.4 x 1.2 x 0.48 |
| 27 | 28 | - | 38 | 17 | 6 | 33 | 2.5 | 0.05 | | MMBZ33VB-QB | | |
| 24 | 25.5 | - | 30.5 | 20 | 6 | 33 | 2.6 | 0.05 | | MMBZ27VBQB-Q | | |
| 27 | 28 | - | 38 | 17 | 6 | 33 | 2.5 | 0.05 | | MMBZ33VBQB-Q | | |

ESD protection, TVS,
filtering and signal
conditioning

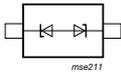
Low capacitance ESD protection for high-speed interfaces

Types in **bold red** are in development, types in **bold** represent new products

| Unidirectional | Bidirectional | V_{RWM} (V) | $C_{line, typ}$ (pF) | ESD rating max (kV) ⁽¹⁾ | Configuration | Type | Package | Size (mm) | | |
|----------------|---------------|----------------------|----------------------|------------------------------------|---|---|---|----------------------|---|-----------------|
| 1 | 0 | 5 | 0.45 | 20 |  | PESD5V0C1USF |  DSN0603-2 (SOD962) | 0.6 x 0.3 x 0.3 | | |
| | | 6.5 | 0.45 | 20 | | PESD6V5C1USF | | | | |
| | | 5 | 0.6 | 10 | | PESD5V0F1USF | | | | |
| | | 5.5 | 0.5 | 18 | | PESD5V5C1UBSF | | | | |
| | | 15 | 1 | 30 | | PESD15VW1UCSF | | | | |
| | | 15 | 0.5 | 15 | | PESD5V5C1UL |  DFN1006D-2 (SOD882D) | 1.0 x 0.6 x 0.37 | | |
| | | 5 | 0.95 | 8 | | PESD5V0X1ULD | | | | |
| | | | 1.55 | 15 | | PESD5V0X1UALD | | | | |
| | | 5 | 0.95 | 8 | | PESD5V0X1UB | | |  SOD523 (SC-79) | 1.2 x 0.8 x 0.6 |
| | | | 1.55 | 15 | | PESD5V0X1UAB | | | | |
| | | 1 | 0 | 3.3 | 0.6 | 30 |  | PESD3V3U1UT |  SOT23 | 2.9 x 1.3 x 1.0 |
| | | | | 3.3 | 1 | 18 | | PESD3V3X2UT | | |
| | | | | 3.3 | 0.8 | 8 | | PESD3V3F2UT | | |
| | | | | 5 | 0.9 | 22 | | PESD5V0X2UT | | |
| | | | | 5 | 0.6 | 8 | | PESD5V0F2UT | | |
| | | | | 5 | 0.6 | 30 | | PESD5V0U1UT | | |
| | | | | 12 | 0.6 | 30 | | PESD12VU1UT | | |
| | | | | 15 | 0.6 | 30 | | PESD15VU1UT | | |
| | | | | 24 | 0.6 | 23 | | PESD24VU1UT | | |
| | | | | 0 | 1 | 2 | | 0.7 | | |
| 1 | 0.1 | 8 | PESD1V0R1BCSF | | |  DSN0603-2 (SOD962) | 0.6 x 0.3 x 0.3 | | | |
| | 0.13 | 10 | PESD1V0R1BDSF | | | | | | | |
| | 0.15 | 13 | PESD1V0H1BSF | | | | | | | |
| | 0.16 | 14 | PESD1V0Y1BBSF | | | | | | | |
| | 0.18 | 15 | PESD1V0C1BSF | | | | | | | |
| | 0.2 | 15 | PESD1V0R1BESF | | | | | | | |
| 0.24 | 19 | PESD1V0R1BFSF | | | | | | | | |
| 1.2 | 0.26 | 15 | PESD1V2Y1BSF | | | | | | | |
| 2.0 | 0.69 | 20 | PESD2V0Y1BSF | | | | | | | |
| 2.5 | 0.25 | 15 | PESD2V5Y1BSF | | | | | | | |
| 2.5 | 2 | 25 | PESD2V5X1BSF | | | | | | | |
| 2.8 | 0.1 | 10 | PESD2V8R1BSF | | | | | | | |
| 1 | 0.16 | 14 | PESD2V8Y1BSF | | | | | | | |
| 3.3 | 0.24 | 15 | PESD3V3Y1BSF | | | | | | | |
| | 0.2 | 20 | PESD3V3C1BSF | | | | | | | |
| | 0.28 | 20 | PESD3V3Z1BSF | | | | | | | |
| | 0.45 | 30 | PESD3V3Z1BCSF | | | | | | | |
| | 0.55 | 30 | PESD3V3W1BCSF | | | | | | | |
| 3.3 | 0.78 | 20 | PESD3V3F1BSF | | | | | | | |
| 4.0 | 0.24 | 15 | PESD4V0Y1BSF | | | | | | | |
| | 0.7 | 30 | PESD4V0Y1BBSF | | | | | | | |
| | 0.16 | 14 | PESD4V0Y1BCSF | | | | | | | |
| | 0.28 | 20 | PESD4V0Z1BSF | | | | | | | |
| | 0.37 | 13 | PESD4V0Y1BHSF | | | | | | | |
| | 0.45 | 30 | PESD4V0Z1BCSF | | | | | | | |
| | 0.55 | 30 | PESD4V0W1BCSF | | | | | | | |
| | 5 | 0.16 | 15 | | | | | PESD5V0Y1BCSF | | |
| 5 | 0.09 | 8 | PESD5V0R1BCSF | | | | | | | |
| 5 | 0.1 | 12 | PESD5V0R1BDSF | | | | | | | |
| 5 | 0.1 | 10 | PESD5V0R1BSF | | | | | | | |
| | 0.15 | 15 | PESD5V0H1BSF | | | | | | | |
| | 0.2 | 20 | PESD5V0C1BSF | | | | | | | |
| | 0.32 | 30 | PESD5V0Z1BDSF | | | | | | | |
| | 0.49 | 30 | PESD5V0W1BDSF | | | | | | | |

Low capacitance ESD protection for high-speed interfaces

Types in **bold red** are in development, types in **bold** represent new products

| Unidirectional | Bidirectional | V_{RWM} (V) | C_{line} typ (pF) | ESD rating max (kV) (1) | Configuration | Type | Package | Size (mm) |
|---------------------|---------------|---------------|---------------------|-------------------------|---|----------------------|---|-----------------|
| 0 | 1 | 5.5 | 0.27 | 18 |  | PESD5V5C1BBSF |  DSN0603-2 (SOD962) | 0.6 x 0.3 x 0.3 |
| | | | 0.1 | 10 | | PESD7V0R1BSF | | |
| | | | 0.15 | 15 | | PESD7V0H1BSF | | |
| | | | 0.2 | 20 | | PESD7V0C1BSF | | |
| | | 7 | 0.11 | 8 | | PESD7V1R1BCSF | | |
| | | | 0.13 | 12 | | PESD7V1R1BDSF | | |
| | | 7.1 | 0.25 | 10 | | PESD5V0F1BSF | | |
| | | | | | | PESD5V0F1BRSF | | |
| | | 5.5 | - | 20 | | PESD3V3X1BCSF | | |
| | | | | | | PESD5V0X1BCSF | | |
| | | 3.3 | - | - | | PESD9V0C1BSF | | |
| | | 5.0 | - | - | | PESD9V0Z1BDSF | | |
| | | 9 | 0.2 | 18 | | PESD9V0W1BDSF | | |
| | | 9 | 0.32 | 30 | | PESD9V0V1BBSF | | |
| | | 9 | 0.49 | 30 | | PESD12VY1BSF | | |
| | | 12 | 0.37 | 13 | | PESD12VW1BCSF | | |
| | | 12 | 0.45 | 30 | | PESD15VY1BSF | | |
| | | 15 | 0.18 | 10 | | PESD15VW1BCSF | | |
| | | 15 | 0.45 | 30 | | PESD15VW1ACSF | | |
| | | 15 | 0.5 | 30 | | PESD18VF1BBSF | | |
| | | 18 | 0.23 | 10 | | PESD24VY1BSF | | |
| | | 24 | 0.18 | 10 | | PESD24VF1BBSF | | |
| | | 24 | 0.7 | 30 | | PESD24VY1BBSF | | |
| | | 24 | 0.23 | 10 | | PESD30VF1BSF | | |
| | | 30 | 0.24 | 10 | | PESD30VY1BSF | | |
| | | 30 | 0.15 | 10 | | PESD1V0Y1BIF | | |
| | | 1 | 0.18 | 15 | | PESD18VY1BBIF | | |
| | | 18 | 0.15 | 10 | | PESD5V0F1BLD | | |
| | | 5 | 0.4 | 10 | | PESD5V0F1BRLD | | |
| | | 3.3 | 1.3 | 9 | | PESD3V3X1BL | | |
| | | 5.5 | 0.4 | 10 | | PESD5V0F1BL | | |
| | | | | | | PESD5V0X1BCL | | |
| PESD5V0X1BCAL | | | | | | | | |
| PESD5V0X1BL | | | | | | | | |
| PESD5V5C1BL | | | | | | | | |
| PESD18VF1BBL | | | | | | | | |
| PESD24VF1BBL | | | | | | | | |
| PESD30VF1BBL | | | | | | | | |
| PESD3V3C2UM | | | | | | | | |
| PESD4V0X2UM | | | | | | | | |
| PESD5V0C2UM | | | | | | | | |
| 5 | 0.5 | 10 | PESD5V0X2UMB | | | | | |
| | | | PESD5V0X2UM | | | | | |
| | | | PESD5V0X2UAMB | | | | | |
| | | | PESD5V0X2UAM | | | | | |
| | | | PESD5V0X1BT | | | | | |

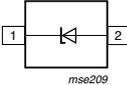
ESD protection, TVS, filtering and signal conditioning

Low capacitance ESD protection for high-speed interfaces

Types in **bold** represent new products

| Unid Rectional | Bid Rectional | V _{RRM} (V) | C _{line typ} (pF) | ESD rating max (kV) [1] | Configuration | Type | Package | Size (mm) |
|----------------|------------------|----------------------|----------------------------|-------------------------|---------------|----------------------|-------------------------|-----------------------|
| 2 | 0 | 80 | 0.6 | 30 | | NUP1301U | SOT323 | 2.0 x 1.25 x 0.95 |
| | | | | | | NUP1301 | SOT23 | 2.9 x 1.3 x 1.0 |
| | | | | | | NUP1301QA | SOT1215 | 1.0 x 1.0 x 0.4 |
| 0 | 2 | 5 | 0.21 | 20 | | PESD5V0C2BDF | DFN0603-3 (SOT8013) | 0.62 x 0.32 x 0.25 |
| 0 | 2 | 4 | 0.26 | 20 | | PUSB3BB2DF | | |
| 0 | 2 | 4 | 0.31 | 25 | | PESD4V0Z2BCDF | | |
| 3 | 0 | 5.5 | 1 | 8 | | PRTR5V0U2X | SOT143B | 2.9 x 1.3 x 1.0 |
| | | | 1.8 | 12 | | PRTR5V0U2AX | | |
| | | | 1 | 8 | | | PRTR5V0U2F | DFN1410-6 (SOT886) |
| 4 | 0 | 3.3 | 0.75 | 25 | | PESD3V3X4UHC | DFN1308-6 (SOT8006) | 1.3 x 0.8 x 0.4 |
| | | | | | | IP4220CZ6 | SOT457 (SC-74) | 2.9 x 1.5 x 1.0 |
| | | | PRTR5V0U4D | | | 2.9 x 1.5 x 1.0 | | |
| | | | 5.5 | 0.6 | 8 | | IP4283CZ10-TBR | DFN2510A-10 (SOT1176) |
| | | | | | | | | |
| 4 | 0 | 3.3 | 0.29 | 15 | | PUSB3FC4 | SOT1165-3 (DFN2510-10) | 2.5 x 1 x 0.5 |
| | PHDMI2FC4 | | | | | | | |
| 4 | 0 | | 0.29 | | | PUSB3FR4 | DFN2510A-10 (SOT1176-1) | 2.5 x 1 x 0.5 |
| 4 | 0 | | 0.3 | | | PUSB3FS4 | | |
| 0 | 4 | | 0.17 | | | PUSB3AB4 | | |
| 0 | 4 | | 0.17 | | | PUSB3BB4 | | |
| 0 | 4 | | 0.22 | | | PUSB3CB4 | | |
| 4 | 0 | | 0.29 | | | PHDMI2FR4 | | |
| 4 | 0 | | 0.3 | | | PHDMI2FS4 | | |
| 0 | 4 | | 0.17 | | | PHDMI2AB4 | | |
| 0 | 4 | 0.17 | PHDMI2BB4 | | | | | |
| 0 | 4 | 0.22 | PHDMI2CB4 | | | | | |
| 6 | 0 | 3.3 | 0.35 | | PUSB3FR6 | XSON7 (SOT1358-1) | 2.1 x 1.1 x 0.5 | |
| 0 | 6 | | 0.15 | | PUSB3AB6 | | | |

General purpose ESD protection devices

| Number of protected lines | | V _{RWM} (V) | C _{line typ} (pF) | C _{line max} (pF) | I _{PPM} (A) @ 8/20µs | ESD rating max (kV) [1] | I _R max (µA) @ V _{RWM} | Configuration | Type | Package | Size (mm) | | |
|---------------------------|---------------|----------------------|----------------------------|----------------------------|-------------------------------|-------------------------|--|---|--------------|---|------------------|---|-----------------|
| Unid/Rectional | Bid/Rectional | | | | | | | | | | | | |
| 1 | 0 | 5 | 35 | 42 | 3.5 | 30 | 0.1 |  | PESD5V0S1USF |  DSN0603-2 (SOD962) | 0.6 x 0.3 x 0.3 | | |
| | | 5.5 | 12 | 15.4 | 1.2 | 30 | 0.1 | | PESD5V0L1USF | | | | |
| | | 3.3 | 2.6 | 3.1 | - | 9 | 0.1 (@ 3 V) | | PESD3V3U1UL | | | | |
| | | | 34 | 40 | 4.5 | 30 | 0.3 | | | PESD3V3L1UL | | | |
| | | | 207 | 300 | 15 | 30 | 2 | | | PESD3V3S1UL | | | |
| | | 5 | 2 | 2.6 | - | 9 | 0.1 | | PESD5V0U1UL | | | | |
| | | | 25 | 30 | 3.5 | 26 | 0.1 | | PESD5V0L1UL | | | | |
| | | 5 | 152 | 200 | 15 | 30 | 1 | | PESD5V0S1UL |  DFN1006-2 (SOD882) | 1.0 x 0.6 x 0.5 | | |
| | | 6 | 82 | 105 | 10 | 30 | 0.3 | | PESD6V3S1UL | | | | |
| | | 8 | 70 | 90 | 9 | 30 | 0.5 | | PESD8V0S1UL | | | | |
| | | 12 | 38 | 75 | 5 | 30 | 0.05 | | PESD12VS1UL | | | | |
| | | 15 | 32 | 70 | 5 | 30 | 0.05 | | PESD15VS1UL | | | | |
| | | 24 | 23 | 50 | 3 | 23 | 0.05 | | PESD24VS1UL | | | | |
| | | 36 | 18 | 2.5 | 2.5 | 30 | 0.01 | | PESD36VS1UL | | | | |
| | | 5 | 25 | 30 | 3.5 | 26 | 0.1 | | PESD5V0L1ULD | | | | |
| | | | 152 | 200 | 15 | 30 | 1 | | PESD5V0S1ULD | | |  DFN1006D-2 (SOD882D) | 1.0 x 0.6 x 0.4 |
| | | 8 | 70 | 90 | 13 | 30 | 0.5 | | PESD8V0S1ULD | | | | |
| | | 12 | 38 | 75 | 5 | 30 | 0.05 | | PESD12VS1ULD | | | | |
| | | 15 | 32 | 70 | 5 | 30 | 0.05 | | PESD15VS1ULD | | | | |
| | | 24 | 23 | 50 | 3 | 23 | 0.05 | | PESD24VS1ULD | | | | |
| | | 3.3 | 207 | 300 | 15 | 30 | 2 | | PESD3V3S1ULS |  DFN1006BD-2 (SOD882BD) | 1.0 x 0.6 x 0.48 | | |
| | | 5 | 152 | 200 | 15 | 30 | 1 | | PESD5V0S1ULS | | | | |
| | | 8 | 70 | 90 | 13 | 30 | 0.5 | | PESD8V0S1ULS | | | | |
| | | 12 | 38 | 75 | 5 | 30 | 0.05 | | PESD12VS1ULS | | | | |
| | | 15 | 32 | 70 | 5 | 30 | 0.05 | | PESD15VS1ULS | | | | |
| | | 24 | 23 | 50 | 3 | 23 | 0.05 | | PESD24VS1ULS | | | | |
| | | 36 | 18 | 2.5 | 2.5 | 30 | 0.01 | | PESD36VS1ULS | | | | |
| | | 2.5 | 229 | 300 | 20 | 30 | 6 | | PESD5Z2.5 | | |  SOD523 (SC-79) | 1.2 x 0.8 x 0.6 |
| | | 3.3 | 2.6 | 3.1 | - | 9 | 0.1 (@ 3 V) | | PESD3V3U1UB | | | | |
| | | | 34 | 40 | 4.5 | 30 | 0.3 | | PESD3V3L1UB | | | | |
| | | | 172 | 200 | 20 | 30 | 0.05 | | PESD5Z3.3 | | | | |
| | | | 207 | 300 | 18 | 30 | 2 | | PESD3V3S1UB | | | | |
| | | 5 | 2 | 2.6 | - | 9 | 0.1 | | PESD5V0U1UB | | | | |
| | | | 25 | 30 | 3.5 | 26 | 0.1 | | PESD5V0L1UB | | | | |
| | | | 89 | 150 | 10 | 30 | 0.05 | | PESD5Z5.0 | | | | |
| | | | 152 | 200 | 15 | 30 | 1 | | PESD5V0S1UB | | | | |
| | | 6 | 78 | 150 | 10 | 30 | 0.01 | | PESD5Z6.0 | | | | |
| | | 7 | 69 | 150 | 10 | 30 | 0.01 | | PESD5Z7.0 | | | | |
| | | 12 | 35 | 75 | 6 | 30 | 0.01 | | PESD5Z12 | | | | |
| | | | 38 | 75 | 5 | 30 | 0.05 | | PESD12VS1UB | | | | |
| | | 15 | 32 | 70 | 5 | 30 | 0.05 | | PESD15VS1UB | | | | |
| | | 24 | 23 | 50 | 3 | 23 | 0.05 | | PESD24VS1UB | | | | |

ESD protection, TVS, filtering and signal conditioning

General purpose ESD protection devices

types in **bold** represent new products

| Number of protected lines | | V _{RWM} (V) | C _{line typ} (pF) | C _{line max} (pF) | I _{PPM} (A) @ 20µs | ESD rating max (kV) [1] | I _R max (µA) @ V _{RWM} | Configuration | Type | Package | Size (mm) | | |
|---------------------------|---------------|----------------------|----------------------------|----------------------------|-----------------------------|-------------------------|--|----------------------|------------------------|--------------------|-------------------|---------------------|------------------|
| Unid/Rectional | Bid/Rectional | | | | | | | | | | | | |
| 1 | 0 | 3.3 | 2.6 | 3.1 | - | 9 | 0.1 (@ 3 V) | | PESD3V3U1UA | SOD323 (SC-76) | 1.7 x 1.25 x 0.95 | | |
| | | 5 | 2 | 2.6 | - | 9 | 0.1 | | PESD5V0U1UA | | | | |
| | | | 25 | 30 | 3.5 | 26 | 0.1 | | | | | PESD5V0L1UA | |
| | | | 480 | 530 | 47 | 30 | 4 | | | | | PESD5V0S1UA | |
| | | 12 | 160 | 180 | 22.5 | 30 | 0.1 | | PESD12VS1UA | | | | |
| | | 24 | 23 | 50 | 3 | 23 | 0.05 | | PESD24VS1UA | | | | |
| | | 5 | 480 | 530 | 47 | 30 | 4 | | PESD5V0S1UJ | | | | |
| | | 12 | 160 | 180 | 22.5 | 30 | 0.1 | | PESD12VS1UJ | | | | |
| | | 36 | 18 | 30 | 2.5 | 30 | 0.01 | | PESD36VS1UJ | | | SOD323F (SC-90) | 1.7 x 1.25 x 0.7 |
| | | | | 3.3 | 5.5 | 6 | 5.4 | | 20 | | | 0.1 | PESD3V3U1BCSF |
| 8.5 | 10 | | | | 7.1 | 30 | 0.1 | PESD3V3V1BCSF | | | | | |
| 11 | 14 | | | | 12 | 30 | 0.05 | PESD3V3S1BSF | | | | | |
| 24 | - | | | | 20 | 30 | 0.05 | PESD3V3L1BBSF | | | | | |
| 33 | - | | | | 20 | 30 | 0.05 | PESD3V3L1BSF | | | | | |
| 5 | 5.3 | | | 6 | 1 | 20 | 0.1 | PESD5V0V1BCSF | | | | | |
| | | | | | 2 | 20 | 0.1 | PESD5V0V1BDSF | | | | | |
| | 4.5 | | | 1 | 15 | 0.1 | PESD5V0V1BSF | | | | | | |
| | 12 | | | 15.4 | 3 | 30 | 0.1 | PESD5V0L1BSF | | | | | |
| | 35 | | | 45 | 8 | 30 | 0.1 | PESD5V0S1BSF | | | | | |
| 5.5 | 5.3 | | | 6 | 5.4 | 20 | 0.1 | PESD5V5U1BCSF | | | | | |
| | 6.2 | | | 7.5 | 11 | 22 | 0.05 | PESD5V5S1BSF | | | | | |
| 12 | 17 | | | 19 | 6.1 | 30 | 0.05 | PESD12VA-SF | | | | | |
| 16 | 5.7 | | | 6.5 | 1.3 | 12 | 0.05 | PESD16VV1BSF | | | | | |
| 18 | 4 | | | 6 | 3 | 25 | 0.1 | PESD18VV1BBSF | | | | | |
| 12 | 17 | | | 19 | 10 | 30 | 0.05 | PESD12VV1BSF | | | | | |
| 15 | 15 | | | 17 | 9 | 30 | 0.05 | PESD15VV1BSF | | | | | |
| 18 | 12.7 | | | 15 | 7.1 | 30 | 0.05 | PESD18VV1BASF | | | | | |
| 20 | 11.2 | | | 13.5 | 6.5 | 30 | 0.05 | PESD20VV1BSF | | | | | |
| 22 | 10.2 | | | 12.2 | 5.1 | 30 | 0.05 | PESD22VV1BSF | | | | | |
| 24 | 9.3 | | | 11.2 | 4.7 | 30 | 0.05 | PESD24VV1BSF | | | | | |
| 24 | 5 | | | 6 | 2.6 | 20 | 0.05 | PESD24VV1BBSF | | | | | |
| 27 | 5 | | | 6 | 2.4 | 18 | 0.05 | PESD27VV1BSF | | | | | |
| 30 | 4.8 | | | 5.8 | 2.1 | 15 | 0.05 | PESD30VV1BSF | | | | | |
| -30/+33 | 4.8 | | | 5.8 | 1.9 | 13 | 0.05 | PESD33VV1ASF | | | | | |
| -30/+36 | 4.5 | | | 5.4 | 1.8 | 12 | 0.05 | PESD36VV1ASF | | | | | |
| 5 | 75 | | | - | 15 | 30 | 1 | PESD5V0L1BA | | | | | |
| 12 | 19 | | | - | 5 | 30 | 0.05 | PESD12VL1BA | | | | | |
| 15 | 16 | | | - | 5 | 30 | 0.05 | PESD15VL1BA | | | | | |
| 24 | 11 | | | - | 3 | 23 | 0.05 | PESD24VL1BA | | | | | |
| 32 | 9 | | | 12 | 2.5 | 23 | 0.05 | PESD32VL1BA | | | | | |
| 36 | 9 | | | 12 | 2 | 18 | 0.05 | PESD36VL1BA | | | | | |
| 24 | 14 | | | 17 | 3.5 | 30 | 0.05 | PESD24VV1BA | | | | | |
| 27 | 13 | | | 17 | 3 | 30 | 0.05 | PESD27VV1BA | | | | | |
| 3.3 | 11 | | | 13 | 5 | 30 | 0.01 | PESD3V3V1BL | | | | | |
| | 22 | | | 30 | 10 | 30 | 0.05 | PESD3V3T1BL | | | | | |
| | 35 | | | 40 | 15 | 30 | 0.1 | PESD3V3S1BL | | | | | |
| | 65 | | | 78 | 34 | 30 | 0.05 | PTVS3V3D1BAL | | | | | |
| 4.5 | 65 | | | 78 | 34 | 30 | 0.05 | PTVS4V5D1BL | | | | | |
| 5 | 11 | | | 13 | 4.8 | 30 | 0.01 | PESD5V0V1BL | DFN1006-2 (SOD882) | 1.0 x 0.6 x 0.5 | | | |

General purpose ESD protection devices

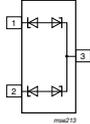
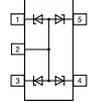
Types in **bold** represent new products

| Number of protected lines | | V _{RWM} (V) | C _{line typ} (pF) | C _{line max} (pF) | I _{PPM} (A) @ 20µs | ESD rating max (kV) [1] | I _R max (µA) @ V _{RWM} | Configuration | Type | Package | Size (mm) | | | | | |
|---------------------------|---------------|----------------------|----------------------------|----------------------------|-----------------------------|-------------------------|--|---------------|--------------------|---------|------------------|-------------------|------------------|--------------|-------------|-----------------|
| Unid/Rectional | Bid/Rectional | | | | | | | | | | | | | | | |
| 0 | 1 | 5 | 35 | 45 | 12 | 30 | 0.1 | | PESD5V0S1BL | | 1.0 x 0.6 x 0.5 | | | | | |
| | | 5.5 | 70 | 84 | 35 | 30 | 0.1 | | PTV55V5D1BL | | | | | | | |
| | | 12 | 17 | 25 | 7.8 | 30 | 0.01 | | PESD12VV1BL | | | | | | | |
| | | 24 | 14 | 17 | 3.5 | 30 | 0.05 | | PESD24VV1BL | | | | | | | |
| | | 27 | 14 | 17 | 3 | 30 | 0.05 | | PESD27VV1BL | | | | | | | |
| | | 3 | 20 | 25 | 10 | 30 | 0.1 | | PESD3V3T1BLD | | 1.0 x 0.6 x 0.37 | | | | | |
| | | 5 | 11 | 13 | 4.8 | 30 | 0.01 | | PESD5V0V1BLD | | | | | | | |
| | | | 35 | 45 | 12 | 30 | 0.1 | | PESD5V0S1BLD | | | | | | | |
| | | 3.3 | 20 | 25 | 10 | 30 | 0.1 | | PESD3V3T1BLS | | | | 1.0 x 0.6 x 0.48 | | | |
| | | 5 | 11 | 13 | 4.8 | 30 | 0.01 | | PESD5V0V1BLS | | | | | | | |
| | | 12 | 17 | 25 | 7.8 | 30 | 0.01 | | PESD12VV1BLS | | | | | | | |
| | | 3.3 | 15.5 | 18 | 7.5 | 25 | 0.1 | | PESD3V3L1BSL | | 1 x 0.6 x 0.4 | | | | | |
| | | 5 | 15.5 | 18 | 7.5 | 25 | 0.1 | | PESD5V0L1BSL | | | | | | | |
| | | 7 | 15 | 20 | 7 | 30 | 0.1 | | PESD7V0L1BSL | | | | | | | |
| | | 12 | 7.7 | 9 | 7.3 | 30 | 0.1 | | PESD12VL1BSL | | | | | | | |
| | | 0 | 5 | 11 | 13 | 4.8 | 30 | | 0.01 | | PESD5V0V1BB | | 1.2 x 0.8 x 0.6 | | | |
| | | | | 35 | 45 | 12 | 30 | | 0.1 | | PESD5V0S1BB | | | | | |
| | | | | 11 | 13 | 4.8 | 30 | | 0.01 | | | 1.7 x 1.25 x 0.95 | | | | |
| | | | | 35 | 45 | 12 | 12 | | 0.1 | | | | PESD5V0S1BA | | | |
| | | | | 0 | 5 | 2.9 | 3.5 | | - | | 10 | 0.1 | | PESD5V0U1BL | | 1.0 x 0.6 x 0.5 |
| | | | | | | | | | | | | | | PESD5V0U1BLD | | |
| | | | | | | | | | | | | | | PESD5V0U1BB | | 1.2 x 0.8 x 0.6 |
| | | | | | | | | | | | | | | PESD5V0U1BA | | |
| | | | | 2 | 1 | 3.3 | 22 | | 28 | | 3 | 15 | 0.03 | | PESD3V3L2UM | |
| 5 | 16 | | | | | 19 | 2.5 | 15 | 0.025 | | PESD5V0L2UM | | | | | |
| | | | | | | | 2.5 | 15 | 0.025 | | PESD5V0L2UMB | | 1 x 0.6 x 0.37 | | | |
| 3.3 | 207 | | | | | 300 | 18 | 30 | 2 | | PESD3V3S2UT | | | | | 2.9 x 1.3 x 1 |
| 5.2 | 152 | 200 | 15 | | | 30 | 1 | PESD5V2S2UT | | | | | | | | |
| 12 | 38 | 75 | 5 | | | 30 | 1 | PESD12VS2UT | | | | | | | | |
| 15 | 32 | 70 | 5 | | | 30 | 1 | PESD15VS2UT | | | | | | | | |
| 24 | 23 | 50 | 3 | | | 23 | 1 | PESD24VS2UT | | | | | | | | |
| 36 | 17 | 35 | 2.5 | | | 30 | 1 (@ 30 V) | PESD36VS2UT | | | | | | | | |
| 42 | 17 | 20 | 1.8 | | | 23 | 0.05 | PESD42VS2UT | | | | | | | | |
| 3.3 | 207 | 300 | 18 | | | 30 | 2 | PESD3V3S2UAT | | | | | | | | |
| 5 | 152 | 200 | 15 | | | 30 | 1 | PESD5V0S2UAT | | | | | | | | |
| 15 | 32 | 70 | 5 | 30 | 0.05 | PESD15VS2UAT | | | | | | | | | | |
| 24 | 23 | 50 | 3 | 23 | 0.05 | PESD24VS2UAT | | | | | | | | | | |
| 0 | 2 | 5 | 38 | 46 | 6.5 | 30 | 0.09 (@ 4 V) | | PESD5V0L2UU | | 2 x 1.25 x 0.95 | | | | | |
| | | 6 | 34 | 40 | 5.5 | 30 | 0.018 (@ 4.3 V) | | PESD6V0L2UU | | | | | | | |
| | | | | | | | | | | | | | | | | |
| 0 | 2 | 3.3 | 101 | - | 15 | 30 | 0.05 | | PESD3V3L2BT | | 2.9 x 1.3 x 1 | | | | | |
| | | 5 | 75 | - | 13 | 30 | 0.05 | | PESD5V0L2BT | | | | | | | |
| | | 12 | 19 | - | 5 | 30 | 0.1 | | PESD12VL2BT | | | | | | | |

ESD protection, TVS, filtering and signal conditioning

General purpose ESD protection devices

Types in **bold** represent new products

| Number of protected lines | | V _{RWM} (V) | C _{line} typ (pF) | C _{line} max (pF) | I _{PPM} (A) 8/20µs | ESD rating max (kV) [1] | I _R max (µA) @ V _{RWM} | Configuration | Type | Package | Size (mm) |
|---------------------------|---------------|----------------------|----------------------------|----------------------------|-----------------------------|---|---|---|---|--|-----------------|
| Unid/Rectional | Bid/Rectional | | | | | | | | | | |
| 0 | 2 | 15 | 16 | - | 5 | 30 | 0.05 |  | PESD15VL2BT |  SOT23 | 2.9 x 1.3 x 1 |
| | | 24 | 11 | - | 3 | 23 | 0.05 | | PESD24VL2BT | | |
| | | 24 | 14 | 17 | 3.5 | 30 | 0.05 | | PESD24VV2BT | | |
| | | 27 | 13 | 17 | 3 | 30 | 0.05 | | PESD27VV2BT | | |
| | | 48 | 7 | 9 | 4 | 30 | 0.05 | | PESD48VV2BT | | |
| | | 35 | 45 | 12 | 30 | 0.1 | PESD5V0S2BT | | | | |
| | 5 | 2.9 | 3.5 | - | 10 | 0.1 | PESD5V0U2BT | |  DFN1006-3 (SOT883) | 1.0 x 0.6 x 0.5 | |
| | | 18 | 20 | 9 | 30 | 0.01 | PESD5V0U2BM | | | | |
| | | 2.9 | 3.5 | - | 10 | 0.1 | PESD5V0V2BM | | | | |
| | | 18 | 20 | 9 | 30 | 0.01 | PESD5V0V2BMB | | | | |
| | | 2.9 | 3.5 | - | 10 | 0.1 | PESD5V0V2BMB | | | | |
| | | 18 | 20 | 9 | 30 | 0.01 | PESD5V0S2BQA | | | | |
| 35 | 45 | 35 | 30 | 0.1 | PESD5V0S2BQA |  DFN1010D-3 (SOT1215) | 1.1 x 1.0 x 0.37 | | | | |
| 4 | 3 | 3.3 | 22 | 28 | 3 | 20 | 0.3 |  | PESD3V3L4UF |  DFN1410-6 (SOT886) | 1.45 x 1 x 0.5 |
| | | 110 | 300 | 10 | 30 | 1 (@ 3 V) | PESD3V3S4UF | | | | |
| | | 5 | 16 | 19 | 2.5 | 20 | 0.025 | | PESD5V0L4UF | | |
| | | 85 | 220 | 10 | 30 | 0.1 (@ 4.3 V) | PESD5V0S4UF | | | | |
| | 5 | 3 | 200 | 240 | - | 8 | 2 |  | BZA856A |  SOT353 (SC-88A) | 2 x 1.25 x 0.95 |
| | | 3.3 | 22 | 28 | 3 | 20 | 0.3 | | PESD3V3L4UG | | |
| | | 5 | 16 | 19 | 2.5 | 20 | 0.025 | | PESD5V0L4UG | | |
| | | 3 | 200 | 240 | - | 8 | 2 | | BZA456A | | |
| | | 3.3 | 215 | 300 | 20 | 30 | 0.8 | | PESD3V3S4UD | | |
| | | 5 | 165 | 220 | 20 | 30 | 0.2 | | PESD5V0S4UD | | |
| | | 15 | 37 | 48 | - | 8 | 0.1 | | BZA420A | | |
| | | 24 | 40 | 70 | 4 | 23 | 0.01 | | PESD24VS4UD | | |
| 0 | 4 | 3.3 | 22 | 28 | 2.5 | 20 | 0.3 |  | PESD3V3L4BHC |  DFN1308-6 (SOT8006) | 1.3 x 0.8 x 0.4 |
| | | 2.9 | 3.5 | - | 10 | 0.1 | PESD5V0U4BF | | | | |
| | | 5 | 45 | 75 | - | 15 | 0.1 | | BZA408B | | |
| 0 | 5 | 3.3 | 22 | 28 | 2.5 | 20 | 0.3 |  | PESD3V3L5UF |  DFN1410-6 (SOT886) | 1.45 x 1 x 0.5 |
| | | 5 | 16 | 19 | 2.5 | 20 | 0.025 | | PESD5V0L5UF | | |
| | | 3.3 | 22 | 28 | 2.5 | 20 | 0.3 | | PESD3V3L5UY |  SOT363 (SC-88) | 2 x 1.25 x 0.95 |
| | | 5 | 16 | 19 | 2.5 | 20 | 0.025 | | PESD5V0L5UY | | |
| | | 3.3 | 215 | 300 | 20 | 30 | 0.8 | | PESD3V3S5UD |  SOT457 (SC-74) | 2.9 x 1.5 x 1.0 |
| | | 5 | 165 | 220 | 20 | 30 | 0.2 | | PESD5V0S5UD | | |
| | | 12 | 73 | 100 | 10 | 30 | 0.015 | | PESD12VS5UD | | |
| | | 15 | 60 | 90 | 6 | 30 | 0.015 | | PESD15VS5UD | | |
| | | 24 | 45 | 70 | 4 | 23 | 0.015 | | PESD24VS5UD | | |
| | | 5 | 2.9 | 3.5 | - | 10 | 0.1 | | PESD5V0U5BF | | |
| 5 | 2.9 | 3.5 | - | 10 | 0.1 | PESD5V0U5BF |  DFN1410-6 (SOT886) | 1.45 x 1 x 0.5 | | | |

Common mode filters with integrated protection

Types in **bold** represent new products

| Interface | Number of protected line pairs | Type | Differential Mode 3 dB frequency (typ.) | range of CM rejection > -10 dB | V _{RWM} (V) | IEC61000-4-2 ESD rating (kV) | IPP (A) 8/20 μs | Channel series resistance (Ω) | Package | Size (mm) |
|-----------|--------------------------------|-----------------------|---|--------------------------------|----------------------|------------------------------|-----------------|-------------------------------|---|-------------------|
| USB2.0 | 1 | IP3319CX6 | 1.5 | 0.14 - 5.8 | 5.5 | 15 | 6 | 6 | WLCSP6  | 0.95 x 1.34 x 0.6 |
| USB3.2 | 1 | PCMF1USB3BA/C | 10 GHz | 1.85 - 8.9 | 4 | 15 | 7.5 | 2.2 | WLCSP5  | 0.8 x 1.2 x 0.5 |
| | 2 | PCMF2USB3BA/C | | | | | | | WLCSP10  | 1.6 x 1.2 x 0.5 |
| | 3 | PCMF3USB3BA/C | | | | | | | WLCSP15  | 2.4 x 1.2 x 0.5 |
| | 1 | PCMF1USB3B/C | 8.1 GHz | 1.24 - 10 | 4 | 20 | 9.5 | 2.6 | WLCSP5  | 0.8 x 1.2 x 0.5 |
| | 2 | PCMF2USB3B/C | | | | | | | WLCSP10  | 1.6 x 1.2 x 0.5 |
| | 3 | PCMF3USB3B/C | | | | | | | WLCSP15  | 2.4 x 1.2 x 0.5 |
| | 1 | PCMF1USB3S | 6 GHz | 0.63 - 8.3 | 5 | 15 | 7 | 3 | WLCSP5  | 0.8 x 1.2 x 0.5 |
| | 2 | PCMF2USB3S | | | | | | | WLCSP10  | 1.6 x 1.2 x 0.5 |
| | 3 | PCMF3USB3S | | | | | | | WLCSP15  | 2.4 x 1.2 x 0.5 |
| | 1 | PESD1USB3B | 16.1 GHz | - | 4 | 20 | 9.5 | - | WLCSP5  | 0.8 x 1.2 x 0.5 |
| | 2 | PESD2USB3B | | | | | | | WLCSP10  | 1.6 x 1.2 x 0.5 |
| | 3 | PESD3USB3B | | | | | | | WLCSP15  | 2.4 x 1.2 x 0.5 |
| | 1 | PESD1USB3S | 17 GHz | - | 5 | 15 | 8 | - | WLCSP5  | 0.8 x 1.2 x 0.5 |
| | 2 | PESD2USB3S | | | | | | | WLCSP10  | 1.6 x 1.2 x 0.5 |
| | 3 | PESD3USB3S | | | | | | | WLCSP15  | 2.4 x 1.2 x 0.5 |
| HDMI2.0 | 1 | PCMF1HDMI2S | >6 GHz | 0.63-8.3 | 5 | 15 | 7 | 3 | WLCSP5  | 0.8 x 1.2 x 0.5 |
| | 2 | PCMF2HDMI2S | | | | | | | WLCSP10  | 1.6 x 1.2 x 0.5 |
| | 3 | PCMF3HDMI2S | | | | | | | WLCSP15  | 2.4 x 1.2 x 0.5 |
| HDMI2.1 | 1 | PCMF1HDMI2BA-C | 10 GHz | 1.85 - 8.9 | 4 | 15 | 7.5 | 2.2 | WLCSP5  | 0.8 x 1.2 x 0.5 |
| | 2 | PCMF2HDMI2BA-C | | | | | | | WLCSP10  | 1.6 x 1.2 x 0.5 |
| | 3 | PCMF3HDMI2BA-C | | | | | | | WLCSP15  | 2.4 x 1.2 x 0.5 |

ESD protection, TVS, filtering and signal conditioning

Transient Voltage Surge Suppressor (TVS)

TVS diodes for mobile applications

Types in **bold** represent new products

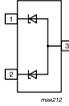
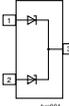
| V_{RWM} | $V_{BR\ min}$ | $V_{BR\ max}$ | $I_{PPM\ 8/20\mu s}$ | $V_{CL\ 8/20\mu s}$ | Type | Package | Size |
|-----------|---------------|---------------|----------------------|---------------------|---------------------|--|--------------------|
| 3.3 | 4.7 | - | 34 | 13.2 | PTVS3V3D1BAL |  DFN1006-2 (SOD882) | 1.0 x 0.6 x 0.48 |
| 4.5 | 4.7 | - | 34 | 13.2 | PTVS4V5D1BL | | |
| 5.5 | 5.6 | 7.6 | 35 | 12.2 | PTVS5V5D1BL | | |
| 3.3 | 3.8 | 6.8 | 70 | 11 | PTVS3V3Z1BSC |  DSN1006-2 (SOD993B) | 1.0 x 0.6 x 0.27 |
| 5 | 5.5 | 8.3 | 60 | 12 | PTVS5V0Z1BSC | | |
| 5 | 5.1 | 7 | 44 | 7.3 | PTVS5V0Z1UCL |  DFN1006-2 (SOD882P-1) | 1.02 x 0.62 x 0.45 |
| 5 | 5.1 | 7 | 65 | 7.5 | PTVS5V0D1UCL | | |
| 6.3 | 6.4 | 9 | 40 | 9.3 | PTVS6V3Z1UCL | | |
| 6.3 | 6.4 | 9 | 56 | 9.3 | PTVS6V3D1UCL | | |
| 20 | 22 | 26 | 30 | 28.5 | PTVS20VD1UL | | |
| 4.8 | 5.1 | 7 | 150 | 8.5 | PTVS4V8Z1UPC |  DFN1610-2 (SOD1610) | 1.6 x 1.0 x 0.55 |
| 5 | 5.1 | 7 | 150 | 8.5 | PTVS5V0Z1UPC | | |
| 5.5 | 6.4 | 9 | 140 | 9.9 | PTVS5V5Z1UPC | | |
| 6.3 | 6.4 | 9 | 140 | 9.9 | PTVS6V3Z1UPC | | |
| 24 | 25 | 29 | 150 | 28 | PTVS24VZ1UPA |  DFN2020-3 (SOT1061-3) | 2.0 x 2.0 x 0.55 |
| 30 | 31 | 34.5 | 150 | 33.5 | PTVS30VZ1UPA | | |

| $P_{PPM\ 10/1000\mu s}$ | V_{RWM} | $V_{BR\ min}$ | $V_{BR\ max}$ | $I_{PPM\ 8/20\mu s}$ | $V_{CL\ 8/20\mu s}$ | $I_{PPM\ 10/1000\mu s}$ | $V_{CL\ 10/1000\mu s}$ | Type | Package | Size |
|-------------------------|-----------|---------------|---------------|----------------------|---------------------|-------------------------|------------------------|--------------|--|------------------|
| 300 | 7.5 | 8.33 | 9.21 | 178 | 19.7 | 23.3 | 12.9 | PTVS7V5U1UPA |  DFN2020-3 (SOT1061) | 2.0 x 2.0 x 0.62 |
| | 10 | 11.1 | 12.3 | 148 | 23 | 17.6 | 17 | PTVS10VU1UPA | | |
| | 12 | 13.3 | 14.7 | 131 | 25.2 | 15.1 | 19.9 | PTVS12VU1UPA | | |
| | 15 | 16.7 | 18.5 | 111 | 28.8 | 12.3 | 24.4 | PTVS15VU1UPA | | |
| | 18 | 20 | 22.1 | 97 | 32 | 10.3 | 29.2 | PTVS18VU1UPA | | |
| | 20 | 22.2 | 24.5 | 98.5 | 38.7 | 9.2 | 32.5 | PTVS20VU1UPA | | |
| | 22 | 24.4 | 26.9 | 88.5 | 41 | 8.4 | 35.5 | PTVS22VU1UPA | | |
| | 24 | 26.7 | 29.5 | 79 | 44.2 | 7.7 | 38.8 | PTVS24VU1UPA | | |
| | 26 | 28.9 | 31.9 | 69 | 43.5 | 7 | 43 | PTVS26VU1UPA | | |

| V _{RWM} (V) | V _{br} min (V) | V _{br} max (V) | 8/20µs pulse | | 10/1000µs pulse | | I _{Rm} typ @ V _{RWM} (nA) | I _{Rm} max @ V _{RWM} (nA) | R _{dyn} (TLP) | Type | Package | Size |
|----------------------|-------------------------|-------------------------|---|--|---|----------------------|---|---|------------------------|---------------|---|------------------|
| | | | V _{cl} @ I _{ppm} (V)max | V _{cl} @ I _{ppm} (A) | V _{cl} @ I _{ppm} (V)max | I _{ppm} (A) | | | | | | |
| 5 | 6.4 | 7.8 | 19.4 | 100 | 12 | 20 | 25 | 1000 | 0.1 | PTVS5V0Z1USKP |  DSN1608-2 (SOD964) | 1.6 x 0.8 x 0.27 |
| | | | 18 | 80 | 12 | 20 | 25 | 1000 | 0.06 | PTVS5V0Z1USK | | |
| 7.5 | 8.33 | 9.65 | 22 | 100 | 13.5 | 17 | 1 | 200 | 0.08 | PTVS7V5Z1USK | | |
| 10 | 11.1 | 12.9 | 27 | 75 | 18.2 | 12.5 | 0.1 | 200 | 0.11 | PTVS10VZ1USK | | |
| 12 | 13.1 | 15.4 | 29 | 65 | 21.8 | 10.5 | 0.1 | 200 | 0.11 | PTVS12VZ1USK | | |
| 15 | 16.7 | 19.4 | 26 | 52 | 27.4 | 7.5 | 0.1 | 200 | 0.13 | PTVS15VZ1USK | | |
| 18 | 20 | 23.2 | 44 | 41 | 32.8 | 6.4 | 0.1 | 200 | 0.17 | PTVS18VZ1USK | | |
| 20 | 22.2 | 25.4 | 48.3 | 41 | 36.9 | 6 | 1 | 200 | 0.2 | PTVS20VZ1USK | | |
| 22 | 24.4 | 26.9 | 51 | 39 | 40 | 5 | 0.1 | 200 | 0.2 | PTVS22VZ1USK | | |
| 26 | 28.9 | 33.4 | 57.5 | 32 | 46 | 4.5 | 0.1 | 200 | 0.15 | PTVS26VZ1USK | | |

ESD protection, TVS, filtering and signal conditioning

TVS diodes, 24 W/40 W

| Power (W) (10 / 1000 µs waveform) ^[1] | V _{RWM} (V) | V _{min} (V) @ I | V _{typ} (V) @ I | V _{br} max (V) @ I _r | I _r (mA) | ESD rating max (kV) | C _{typ} (pF) | V _{cl} max (V) @ I _{pp} ^[1] | I _{pp} (A) ^[1] | I _{RM} max (µA) @ V _{RWM} | Configuration | Type | Package | Size (mm) | | | |
|--|----------------------|--------------------------|--------------------------|--|---------------------|---------------------|-----------------------|--|------------------------------------|---|--|--|--|-----------------|----------------|--|--|
| 24 | 3 | 5.32 | 5.6 | 5.88 | 20 | 30 | 210 | 8 | 3 | 5 |  | MMBZ5V6AL(-Q) |  SOT23 | 2.9 x 1.3 x 1.0 | | | |
| | | 5.89 | 6.2 | 6.51 | 1 | 30 | 175 | 8.7 | 2.76 | 0.2 | | MMBZ6V2AL(-Q) | | | | | |
| | 4.5 | 6.48 | 6.8 | 7.14 | 1 | 30 | 150 | 9.6 | 2.5 | 0.3 | | MMBZ6V8AL(-Q) | | | | | |
| | 6 | 8.65 | 9.1 | 9.56 | 1 | 30 | 155 | 14 | 1.7 | 0.1 | | MMBZ9V1AL(-Q) | | | | | |
| | 6.5 | 9.5 | 10 | 10.5 | 1 | 30 | 130 | 14.2 | 1.7 | 0.02 | | MMBZ10VAL(-Q) | | | | | |
| 40 | 8.5 | 11.4 | 12 | 12.6 | 1 | 30 | 110 | 17 | 2.35 | 0.005 | |  | | | MMBZ12VAL(-Q) | | |
| | 12 | 14.25 | 15 | 15.75 | 1 | 30 | 85 | 21 | 1.9 | 0.005 | | | | | MMBZ15VAL(-Q) | | |
| | 13 | 15.2 | 16 | 16.8 | 1 | 30 | 76 | 23 | 1.9 | 0.005 | | | | | MMBZ16VAL(-Q) | | |
| | 13 | 15.68 | 16 | 16.32 | 1 | 30 | 76 | 23 | 1.9 | 0.005 | | | | | MMBZ16VTAL(-Q) | | |
| | 14.5 | 17.1 | 18 | 18.9 | 1 | 30 | 70 | 25 | 1.6 | 0.005 | | | | | MMBZ18VAL(-Q) | | |
| | 17 | 19 | 20 | 21 | 1 | 30 | 65 | 28 | 1.4 | 0.005 | | | | | MMBZ20VAL(-Q) | | |
| | 22 | 25.65 | 27 | 28.35 | 1 | 30 | 48 | 40 | 1 | 0.005 | | | | | MMBZ27VAL(-Q) | | |
| | 26 | 31.35 | 33 | 34.65 | 1 | 30 | 45 | 46 | 0.87 | 0.005 | MMBZ33VAL(-Q) | | | | | | |
| | 8.5 | 11.4 | 12 | 12.6 | 1 | 30 | 110 | 17 | 2.35 | 0.005 | MMBZ12VDL(-Q) | | | | | | |
| | 12.8 | 14.3 | 15 | 15.8 | 1 | 30 | 85 | 21.2 | 1.9 | 0.005 | MMBZ15VDL(-Q) | | | | | | |
| | 14.5 | 17.1 | 18 | 18.9 | 1 | 30 | 70 | 25 | 1.6 | 0.005 | MMBZ18VCL(-Q) | | | | | | |
| | 17 | 19 | 20 | 21 | 1 | 30 | 65 | 28 | 1.4 | 0.005 | MMBZ20VCL(-Q) | | | | | | |
| | 22 | 25.65 | 27 | 28.35 | 1 | 30 | 48 | 38 | 1 | 0.005 | MMBZ27VCL(-Q) | | | | | | |
| | 26 | 31.35 | 33 | 34.65 | 1 | 30 | 45 | 46 | 0.87 | 0.005 | MMBZ33VCL(-Q) | | | | | | |

^[1] 10/1000µs according to IEC 61643-321

Transient Voltage Surge Suppressor (TVS)

TVS 400 W

| Power (W) (10/1000 µs waveform) [1] | Uni/Bi directional | V_{RWM} (V) | V_{BR} min (V) @ I_R | V_{BR} typ (V) @ I_R | V_{BR} max (V) @ I_R | V_{CL} max (V) @ I_{PP} [1] | V_{CL} max (V) @ I_{PPM} [1] | I_{PP} (A) [1] | I_{RM} typ (µA) @ V_{RWM} | I_{RM} max (µA) @ V_{RWM} | Type (Tj max = 150 °C) | Type (Tj max = 185 °C) | Package | Size (mm) |
|---|--------------------|---------------|--------------------------|--------------------------|--------------------------|---------------------------------|----------------------------------|------------------|-------------------------------|-------------------------------|---------------------------|---------------------------|---------|-----------------|
| 350 | Uni-directional | 3.5 | 5.20 | 5.60 | 6.00 | 10 | 8.0 | 43.8 | 5 | 600 | PTVS3V3S1UR(-Q) | PTVS3V3S1UTR(-Q) | SOD123W | 2.6 x 1.7 x 1.0 |
| | | 5.0 | 6.40 | 6.70 | 7.00 | 10 | 9.2 | 43.5 | 5 | 400 | PTVS5V0S1UR(-Q) | PTVS5V0S1UTR(-Q) | | |
| | | 6.0 | 6.67 | 7.02 | 7.37 | 10 | 10.3 | 38.8 | 5 | 400 | PTVS6V0S1UR(-Q) | PTVS6V0S1UTR(-Q) | | |
| | | 6.5 | 7.22 | 7.60 | 7.98 | 10 | 11.2 | 35.7 | 5 | 250 | PTVS6V5S1UR(-Q) | PTVS6V5S1UTR(-Q) | | |
| | | 7.0 | 7.78 | 8.20 | 8.60 | 10 | 12.0 | 33.3 | 3 | 100 | PTVS7V0S1UR(-Q) | PTVS7V0S1UTR(-Q) | | |
| | | 7.5 | 8.33 | 8.77 | 9.21 | 1 | 12.9 | 31.0 | 0.2 | 50 | PTVS7V5S1UR(-Q) | PTVS7V5S1UTR(-Q) | | |
| | | 8.0 | 8.89 | 9.36 | 9.83 | 1 | 13.6 | 29.4 | 0.03 | 25 | PTVS8V0S1UR(-Q) | PTVS8V0S1UTR(-Q) | | |
| | | 8.5 | 9.44 | 9.92 | 10.40 | 1 | 14.4 | 27.8 | 0.01 | 10 | PTVS8V5S1UR(-Q) | PTVS8V5S1UTR(-Q) | | |
| | | 9.0 | 10.00 | 10.55 | 11.10 | 1 | 15.4 | 26.0 | 0.005 | 5 | PTVS9V0S1UR(-Q) | PTVS9V0S1UTR(-Q) | | |
| | | 10 | 11.10 | 11.70 | 12.30 | 1 | 17.0 | 23.5 | 0.005 | 2.5 | PTVS10VS1UR(-Q) | PTVS10VS1UTR(-Q) | | |
| | | 11 | 12.20 | 12.85 | 13.50 | 1 | 18.2 | 22.0 | 0.005 | 2.5 | PTVS11VS1UR(-Q) | PTVS11VS1UTR(-Q) | | |
| | | 12 | 13.30 | 14.00 | 14.70 | 1 | 19.9 | 20.1 | 0.005 | 2.5 | PTVS12VS1UR(-Q) | PTVS12VS1UTR(-Q) | | |
| | | 13 | 14.40 | 15.15 | 15.90 | 1 | 21.5 | 18.6 | 0.001 | 0.1 | PTVS13VS1UR(-Q) | PTVS13VS1UTR(-Q) | | |
| | | 14 | 15.60 | 16.40 | 17.20 | 1 | 23.2 | 17.2 | 0.001 | 0.1 | PTVS14VS1UR(-Q) | PTVS14VS1UTR(-Q) | | |
| | | 15 | 16.70 | 17.60 | 18.50 | 1 | 24.4 | 16.4 | 0.001 | 0.1 | PTVS15VS1UR(-Q) | PTVS15VS1UTR(-Q) | | |
| | | 16 | 17.80 | 18.75 | 19.70 | 1 | 26.0 | 15.4 | 0.001 | 0.1 | PTVS16VS1UR(-Q) | PTVS16VS1UTR(-Q) | | |
| | | 17 | 18.90 | 19.90 | 20.90 | 1 | 27.6 | 14.5 | 0.001 | 0.1 | PTVS17VS1UR(-Q) | PTVS17VS1UTR(-Q) | | |
| | | 18 | 20.00 | 21.00 | 22.10 | 1 | 29.2 | 13.7 | 0.001 | 0.1 | PTVS18VS1UR(-Q) | PTVS18VS1UTR(-Q) | | |
| | | 20 | 22.20 | 23.35 | 24.50 | 1 | 32.4 | 12.3 | 0.001 | 0.1 | PTVS20VS1UR(-Q) | PTVS20VS1UTR(-Q) | | |
| | | 22 | 24.40 | 25.60 | 26.90 | 1 | 35.5 | 11.3 | 0.001 | 0.1 | PTVS22VS1UR(-Q) | PTVS22VS1UTR(-Q) | | |
| | | 24 | 26.70 | 28.10 | 29.50 | 1 | 38.9 | 10.3 | 0.001 | 0.1 | PTVS24VS1UR(-Q) | PTVS24VS1UTR(-Q) | | |
| | | 26 | 28.90 | 30.40 | 31.90 | 1 | 42.1 | 9.5 | 0.001 | 0.1 | PTVS26VS1UR(-Q) | PTVS26VS1UTR(-Q) | | |
| | | 28 | 31.10 | 32.80 | 34.40 | 1 | 45.4 | 8.8 | 0.001 | 0.1 | PTVS28VS1UR(-Q) | PTVS28VS1UTR(-Q) | | |
| | | 30 | 33.30 | 35.10 | 36.80 | 1 | 48.4 | 8.3 | 0.001 | 0.1 | PTVS30VS1UR(-Q) | PTVS30VS1UTR(-Q) | | |
| | | 33 | 36.70 | 38.70 | 40.60 | 1 | 53.3 | 7.5 | 0.001 | 0.1 | PTVS33VS1UR(-Q) | PTVS33VS1UTR(-Q) | | |
| | | 36 | 40.00 | 42.10 | 44.20 | 1 | 58.1 | 6.9 | 0.001 | 0.1 | PTVS36VS1UR(-Q) | PTVS36VS1UTR(-Q) | | |
| | | 40 | 44.40 | 46.80 | 49.10 | 1 | 64.5 | 6.2 | 0.001 | 0.1 | PTVS40VS1UR(-Q) | PTVS40VS1UTR(-Q) | | |
| | | 43 | 47.80 | 50.30 | 52.80 | 1 | 69.4 | 5.8 | 0.001 | 0.1 | PTVS43VS1UR(-Q) | PTVS43VS1UTR(-Q) | | |
| | | 45 | 50.00 | 52.65 | 55.30 | 1 | 72.7 | 5.5 | 0.001 | 0.1 | PTVS45VS1UR(-Q) | PTVS45VS1UTR(-Q) | | |
| | | 48 | 53.30 | 56.10 | 58.90 | 1 | 77.4 | 5.2 | 0.001 | 0.1 | PTVS48VS1UR(-Q) | PTVS48VS1UTR(-Q) | | |
| | | 51 | 56.70 | 59.70 | 62.70 | 1 | 82.4 | 4.9 | 0.001 | 0.1 | PTVS51VS1UR(-Q) | PTVS51VS1UTR(-Q) | | |
| | | 54 | 60.00 | 63.15 | 66.30 | 1 | 87.1 | 4.6 | 0.001 | 0.1 | PTVS54VS1UR(-Q) | PTVS54VS1UTR(-Q) | | |
| 58 | 64.40 | 67.80 | 71.20 | 1 | 93.6 | 4.3 | 0.001 | 0.1 | PTVS58VS1UR(-Q) | PTVS58VS1UTR(-Q) | | | | |
| 60 | 66.70 | 70.20 | 73.70 | 1 | 96.8 | 4.1 | 0.001 | 0.1 | PTVS60VS1UR(-Q) | PTVS60VS1UTR(-Q) | | | | |
| 64 | 71.10 | 74.85 | 78.60 | 1 | 103.0 | 3.9 | 0.001 | 0.1 | PTVS64VS1UR(-Q) | PTVS64VS1UTR(-Q) | | | | |

[1] 10/1000µs according to IEC 61643-321

TVS 600 W

| Power (W) (10/1000 µs waveform) [1] | Uni/Bi directional | V_{RWM} (V) | $V_{BR\ min}$ (V) @ I_R | $V_{BR\ typ}$ (V) @ I_R | $V_{BR\ max}$ (V) @ I_R | I_R (mA) | $V_{CL\ max}$ (V) @ $I_{PP}[1]$ | I_{PP} (A) [1] | $I_{RM\ typ}$ (µA) @ V_{RWM} | $I_{RM\ max}$ (µA) @ V_{RWM} | Type ($T_j\ max = 150$ °C) | Type ($T_j\ max = 185$ °C) | Package | Size (mm) |
|---|--------------------|---------------|---------------------------|---------------------------|---------------------------|------------|---------------------------------|------------------|--------------------------------|--------------------------------|-----------------------------------|--------------------------------|---|-----------------|
| 600 | Uni-directional | 3.5 | 5.20 | 5.60 | 6.00 | 10 | 8 | 75 | 5 | 600 | PTVS3V3P1UP(-Q) | PTVS3V3P1UTP(-Q) |  | 3.8 x 2.6 x 1.0 |
| | | 5 | 6.40 | 6.70 | 7.00 | 10 | 9.2 | 65.2 | 5 | 400 | PTVS5V0P1UP(-Q) | PTVS5V0P1UTP(-Q) | | |
| | | 6 | 6.67 | 7.02 | 7.37 | 10 | 10.3 | 58.3 | 5 | 400 | PTVS6V0P1UP(-Q) | PTVS6V0P1UTP(-Q) | | |
| | | 6.5 | 7.22 | 7.60 | 7.98 | 10 | 11.2 | 53.6 | 5 | 250 | PTVS6V5P1UP(-Q) | PTVS6V5P1UTP(-Q) | | |
| | | 7 | 7.78 | 8.20 | 8.60 | 10 | 12 | 50 | 3 | 100 | PTVS7V0P1UP(-Q) | PTVS7V0P1UTP(-Q) | | |
| | | 7.5 | 8.33 | 8.77 | 9.21 | 1 | 12.9 | 46.5 | 0.2 | 50 | PTVS7V5P1UP(-Q) | PTVS7V5P1UTP(-Q) | | |
| | | 8 | 8.89 | 9.36 | 9.83 | 1 | 13.6 | 44.1 | 0.03 | 25 | PTVS8V0P1UP(-Q) | PTVS8V0P1UTP(-Q) | | |
| | | 8.5 | 9.44 | 9.92 | 10.40 | 1 | 14.4 | 41.7 | 0.01 | 10 | PTVS8V5P1UP(-Q) | PTVS8V5P1UTP(-Q) | | |
| | | 9 | 10.00 | 10.55 | 11.10 | 1 | 15.4 | 39 | 0.005 | 5 | PTVS9V0P1UP(-Q) | PTVS9V0P1UTP(-Q) | | |
| | | 10 | 11.10 | 11.70 | 12.30 | 1 | 17 | 35.3 | 0.005 | 2.5 | PTVS10VP1UP(-Q) | PTVS10VP1UTP(-Q) | | |
| | | 11 | 12.20 | 12.85 | 13.50 | 1 | 18.2 | 33 | 0.005 | 2.5 | PTVS11VP1UP(-Q) | PTVS11VP1UTP(-Q) | | |
| | | 12 | 13.30 | 14.00 | 14.70 | 1 | 19.9 | 30.2 | 0.005 | 2.5 | PTVS12VP1UP(-Q) | PTVS12VP1UTP(-Q) | | |
| | | 13 | 14.40 | 15.15 | 15.90 | 1 | 21.5 | 27.9 | 0.001 | 0.1 | PTVS13VP1UP(-Q) | PTVS13VP1UTP(-Q) | | |
| | | 14 | 15.60 | 16.40 | 17.20 | 1 | 23.2 | 25.9 | 0.001 | 0.1 | PTVS14VP1UP(-Q) | PTVS14VP1UTP(-Q) | | |
| | | 15 | 16.70 | 17.60 | 18.50 | 1 | 24.4 | 24.6 | 0.001 | 0.1 | PTVS15VP1UP(-Q) | PTVS15VP1UTP(-Q) | | |
| | | 16 | 17.80 | 18.75 | 19.70 | 1 | 26 | 23.1 | 0.001 | 0.1 | PTVS16VP1UP(-Q) | PTVS16VP1UTP(-Q) | | |
| | | 17 | 18.90 | 19.90 | 20.90 | 1 | 27.6 | 21.7 | 0.001 | 0.1 | PTVS17VP1UP(-Q) | PTVS17VP1UTP(-Q) | | |
| | | 18 | 20.00 | 21.00 | 22.10 | 1 | 29.2 | 20.5 | 0.001 | 0.1 | PTVS18VP1UP(-Q) | PTVS18VP1UTP(-Q) | | |
| | | 20 | 22.20 | 23.35 | 24.50 | 1 | 32.4 | 18.5 | 0.001 | 0.1 | PTVS20VP1UP(-Q) | PTVS20VP1UTP(-Q) | | |
| | | 22 | 24.40 | 25.60 | 26.90 | 1 | 35.5 | 16.9 | 0.001 | 0.1 | PTVS22VP1UP(-Q) | PTVS22VP1UTP(-Q) | | |
| | | 24 | 26.70 | 28.10 | 29.50 | 1 | 38.9 | 15.4 | 0.001 | 0.1 | PTVS24VP1UP(-Q) | PTVS24VP1UTP(-Q) | | |
| | | 26 | 28.90 | 30.40 | 31.90 | 1 | 42.1 | 14.2 | 0.001 | 0.1 | PTVS26VP1UP(-Q) | PTVS26VP1UTP(-Q) | | |
| | | 28 | 31.10 | 32.80 | 34.40 | 1 | 45.4 | 13.2 | 0.001 | 0.1 | PTVS28VP1UP(-Q) | PTVS28VP1UTP(-Q) | | |
| | | 30 | 33.30 | 35.10 | 36.80 | 1 | 48.4 | 12.4 | 0.001 | 0.1 | PTVS30VP1UP(-Q) | PTVS30VP1UTP(-Q) | | |
| | | 33 | 36.70 | 38.70 | 40.60 | 1 | 53.3 | 11.3 | 0.001 | 0.1 | PTVS33VP1UP(-Q) | PTVS33VP1UTP(-Q) | | |
| | | 36 | 40.00 | 42.10 | 44.20 | 1 | 58.1 | 10.3 | 0.001 | 0.1 | PTVS36VP1UP(-Q) | PTVS36VP1UTP(-Q) | | |
| | | 40 | 44.40 | 46.80 | 49.10 | 1 | 64.5 | 9.3 | 0.001 | 0.1 | PTVS40VP1UP(-Q) | PTVS40VP1UTP(-Q) | | |
| | | 43 | 47.80 | 50.30 | 52.80 | 1 | 69.4 | 8.6 | 0.001 | 0.1 | PTVS43VP1UP(-Q) | PTVS43VP1UTP(-Q) | | |
| | | 45 | 50.00 | 52.65 | 55.30 | 1 | 72.7 | 8.3 | 0.001 | 0.1 | PTVS45VP1UP(-Q) | PTVS45VP1UTP(-Q) | | |
| | | 48 | 53.30 | 56.10 | 58.90 | 1 | 77.4 | 7.8 | 0.001 | 0.1 | PTVS48VP1UP(-Q) | PTVS48VP1UTP(-Q) | | |
| 51 | 56.70 | 59.70 | 62.70 | 1 | 82.4 | 7.3 | 0.001 | 0.1 | PTVS51VP1UP(-Q) | PTVS51VP1UTP(-Q) | | | | |
| 54 | 60.00 | 63.15 | 66.30 | 1 | 87.1 | 6.9 | 0.001 | 0.1 | PTVS54VP1UP(-Q) | PTVS54VP1UTP(-Q) | | | | |
| 58 | 64.40 | 67.80 | 71.20 | 1 | 93.6 | 6.4 | 0.001 | 0.1 | PTVS58VP1UP(-Q) | PTVS58VP1UTP(-Q) | | | | |
| 60 | 66.70 | 70.20 | 73.70 | 1 | 96.8 | 6.2 | 0.001 | 0.1 | PTVS60VP1UP(-Q) | PTVS60VP1UTP(-Q) | | | | |
| 64 | 71.10 | 74.85 | 78.60 | 1 | 103 | 5.8 | 0.001 | 0.1 | PTVS64VP1UP(-Q) | PTVS64VP1UTP(-Q) | | | | |

[1] 10/1000µs according to IEC 61643-321

ESD protection, TVS,
filtering and signal
conditioning

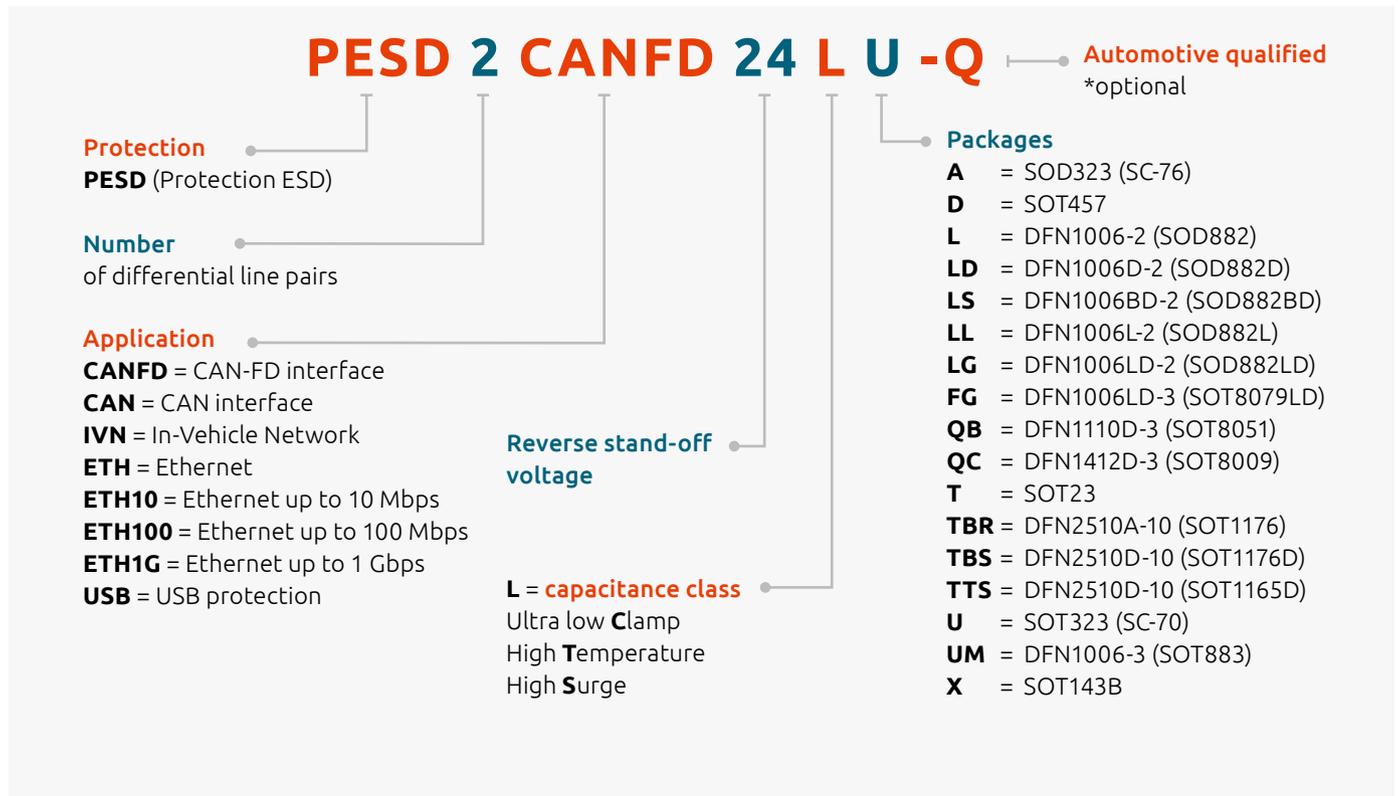
Transient Voltage Surge Suppressor (TVS)

TVS 600 W

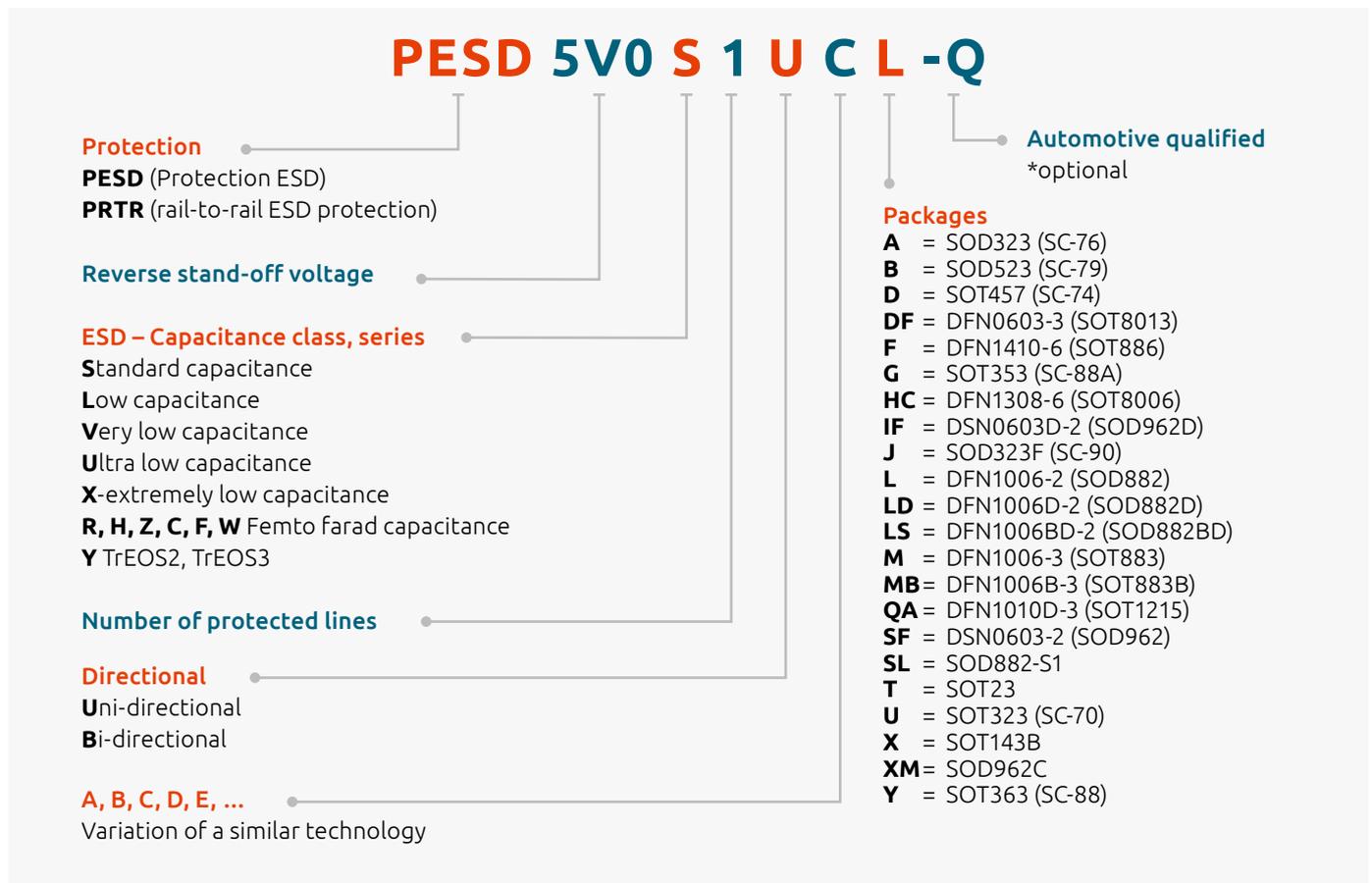
Types in **bold** represent new products

| Power (W) (10/1000 µs waveform) [1] | Uni/Bi directional | V_{RWM} (V) | $V_{BR\ min}$ (V) @ I_R | $V_{BR\ typ}$ (V) @ I_R | $V_{BR\ max}$ (V) @ I_R | I_R (mA) | $V_{CL\ max}$ (V) @ I_{PP} [1] | I_{PP} (A) [1] | $I_{RM\ typ}$ (µA) @ V_{RWM} | $I_{RM\ max}$ (µA) @ V_{RWM} | Type ($T_j\ max = 150$ °C) | Type ($T_j\ max = 185$ °C) | Package | Size (mm) |
|---|--------------------|---------------|---------------------------|---------------------------|---------------------------|------------|----------------------------------|------------------|--------------------------------|--------------------------------|-----------------------------------|--------------------------------|------------|----------------------|
| 600 | Bi-directional | 9 | 10 | 10.55 | 11.1 | 10 | 15.4 | 39 | | 10 | PTVS9V0P1BPL | | SOD128FL-1 | 4.275 x 2.6 x 1.0 |
| | | 10 | 11.1 | 11.7 | 12.3 | 5 | 17 | 35.3 | | 5 | PTVS10VP1BPL | | | |
| | | 11 | 12.2 | 12.85 | 13.5 | 1 | 18.2 | 33 | | 1 | PTVS11VP1BPL | | | |
| | | 12 | 13.3 | 14 | 14.7 | 1 | 19.9 | 30.2 | | 1 | PTVS12VP1BPL | | | |
| | | 13 | 14.4 | 15.15 | 15.9 | 1 | 21.5 | 28 | | 1 | PTVS13VP1BPL | | | |
| | | 14 | 15.6 | 16.4 | 17.2 | 1 | 23.2 | 25.9 | | 1 | PTVS14VP1BPL | | | |
| | | 15 | 16.7 | 17.6 | 18.5 | 1 | 24.4 | 24.6 | | 1 | PTVS15VP1BPL | | | |
| | | 16 | 17.8 | 18.75 | 19.7 | 1 | 26 | 23.1 | | 1 | PTVS16VP1BPL | | | |
| | | 17 | 18.9 | 19.9 | 20.9 | 1 | 27.6 | 21.8 | | 1 | PTVS17VP1BPL | | | |
| | | 18 | 20 | 21.05 | 22.1 | 1 | 29.2 | 20.6 | | 1 | PTVS18VP1BPL | | | |
| | | 20 | 22.2 | 23.35 | 24.5 | 1 | 32.4 | 18.6 | | 1 | PTVS20VP1BPL | | | |
| | | 22 | 24.4 | 25.65 | 26.9 | 1 | 35.5 | 16.9 | | 1 | PTVS22VP1BPL | | | |
| | | 24 | 26.7 | 28.1 | 29.5 | 1 | 38.9 | 15.5 | | 1 | PTVS24VP1BPL | | | |
| | | 26 | 28.9 | 30.4 | 31.9 | 1 | 42.1 | 14.3 | | 1 | PTVS26VP1BPL | | | |
| | | 28 | 31.1 | 32.75 | 34.4 | 1 | 45.4 | 13.3 | | 1 | PTVS28VP1BPL | | | |
| | | 30 | 33.3 | 35.05 | 36.8 | 1 | 48.4 | 12.4 | | 1 | PTVS30VP1BPL | | | |
| | | 33 | 36.7 | 38.65 | 40.6 | 1 | 53.3 | 11.3 | | 1 | PTVS33VP1BPL | | | |
| | | 36 | 40 | 42.1 | 44.2 | 1 | 58.1 | 10.4 | | 1 | PTVS36VP1BPL | | | |
| | | 40 | 44.4 | 46.75 | 49.1 | 1 | 64.5 | 9.3 | | 1 | PTVS40VP1BPL | | | |
| | | 43 | 47.8 | 50.3 | 52.8 | 1 | 69.4 | 8.7 | | 1 | PTVS43VP1BPL | | | |
| | | 45 | 50 | 52.65 | 55.3 | 1 | 72.7 | 8.3 | | 1 | PTVS45VP1BPL | | | |
| | | 48 | 53.3 | 56.1 | 58.9 | 1 | 77.4 | 7.8 | | 1 | PTVS48VP1BPL | | | |
| | | 51 | 56.7 | 59.7 | 62.7 | 1 | 82.4 | 7.3 | | 1 | PTVS51VP1BPL | | | |
| | | 54 | 60 | 63.15 | 66.3 | 1 | 87.1 | 6.9 | | 1 | PTVS54VP1BPL | | | |
| | | 58 | 64.4 | 67.8 | 71.2 | 1 | 93.6 | 6.5 | | 1 | PTVS58VP1BPL | | | |
| | | 60 | 66.7 | 70.2 | 73.7 | 1 | 96.8 | 6.2 | | 1 | PTVS60VP1BPL | | | |
| | | 64 | 71.1 | 74.85 | 78.6 | 1 | 103 | 5.9 | | 1 | PTVS64VP1BPL | | | |
| | | 70 | 77.8 | 81.9 | 86 | 1 | 113 | 5.3 | | 1 | PTVS70VP1BPL | | | |
| | | 75 | 83.2 | 87.65 | 92.1 | 1 | 121 | 5 | | 1 | PTVS75VP1BPL | | | |
| | | 78 | 86.7 | 91.25 | 95.8 | 1 | 126 | 4.8 | | 1 | PTVS78VP1BPL | | | |
| | | 85 | 94.4 | 99.2 | 104 | 1 | 137 | 4.4 | | 1 | PTVS85VP1BPL | | | |
| | | 90 | 100 | 105.5 | 111 | 1 | 146 | 4.1 | | 1 | PTVS90VP1BPL | | | |
| 100 | 111 | 117 | 123 | 1 | 162 | 3.7 | | 1 | PTVS100VP1BPL | | | | | |
| 110 | 122 | 128.5 | 135 | 1 | 177 | 3.4 | | 1 | PTVS110VP1BPL | | | | | |
| 120 | 133 | 140 | 147 | 1 | 193 | 3.1 | | 1 | PTVS120VP1BPL | | | | | |
| 130 | 144 | 151.5 | 159 | 1 | 209 | 2.9 | | 1 | PTVS130VP1BPL | | | | | |
| 150 | 167 | 176 | 185 | 1 | 243 | 2.5 | | 1 | PTVS150VP1BPL | | | | | |
| 160 | 178 | 187.5 | 197 | 1 | 259 | 2.3 | | 1 | PTVS160VP1BPL | | | | | |

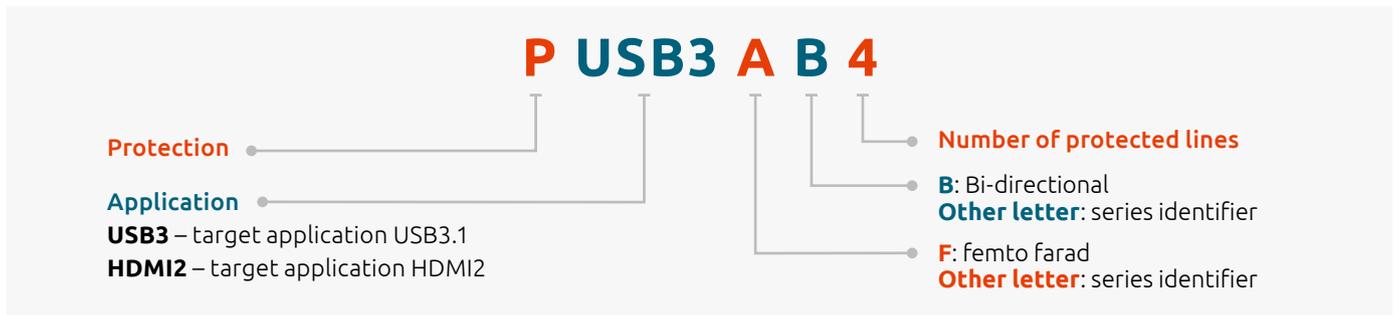
Automotive ESD protection nomenclature



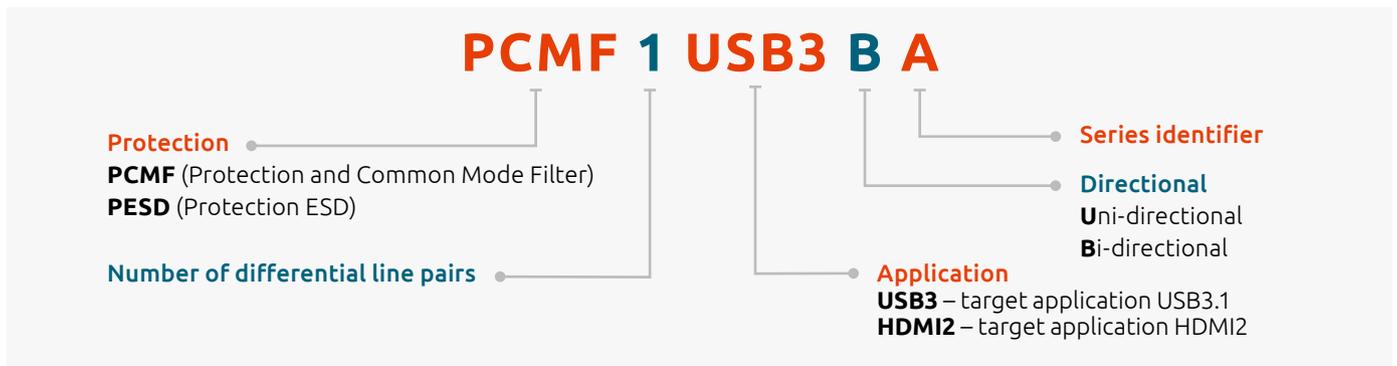
ESD protection devices nomenclature



Multi-line ESD protection nomenclature

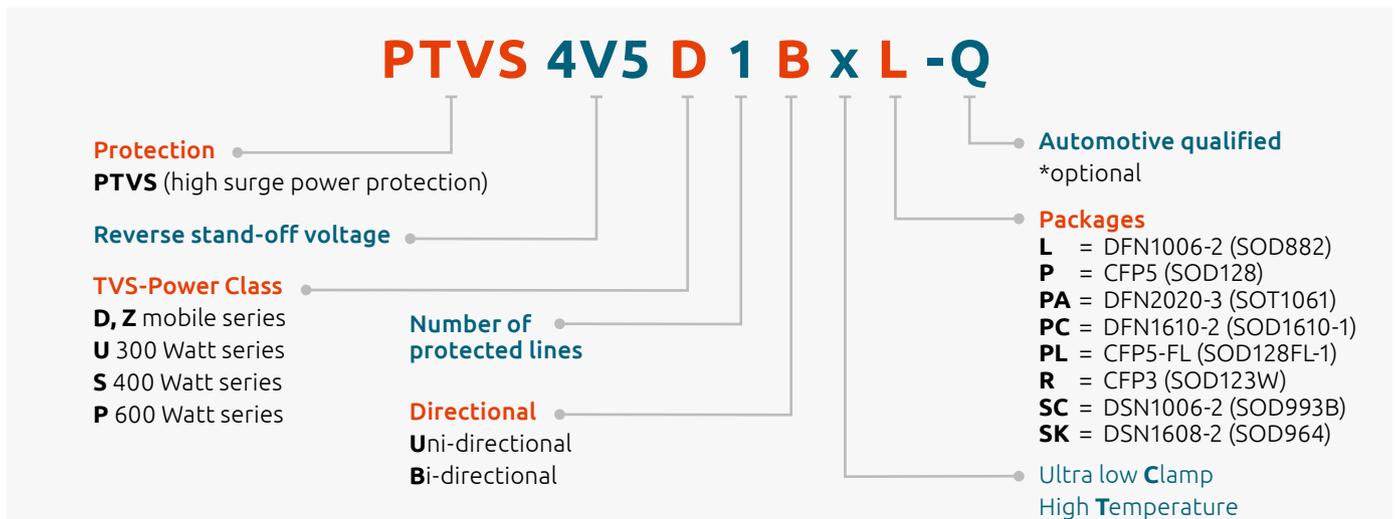


Common mode filters nomenclature

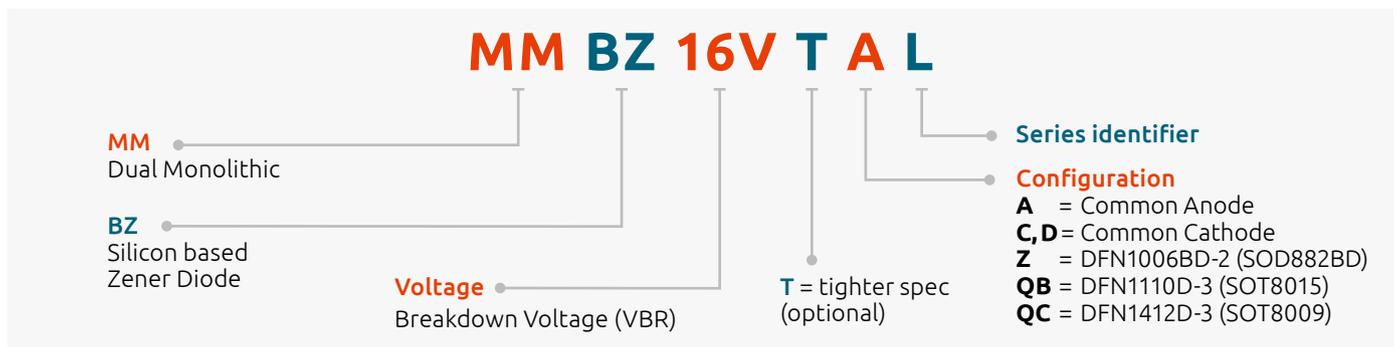


ESD protection, TVS, filtering and signal conditioning

TVS protection nomenclature



MMBZ series nomenclature





| | |
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Automotive grade leaded & application specific MOSFETs (ASFETs) nomenclature

BUK 7 S 1R0 - 40 H

Segment
Leaded automotive MOSFETs

Gate level
7 = Standard level
9 = Logic level

Package
5 = TO-220B (SOT78)
6 = D²PAK (SOT404)
A = CCPAK1212 (SOT8000A)
D = DFN2020MD-6 (SOT1220)
J = LFPAK56E (SOT1023)
K = LFPAK56D (SOT1205)
M = LFPAK33 (SOT1210)
S = LFPAK88 (SOT1235)
T = CCPAK1212i (SOT8005A)
V = LFPAK56D half-bridge (SOT1205)
Y = LFPAK56 (SOT669)

N-channel technology
E = Trench 6
H = Trench 9
L = Trench 12
M = Trench 14
N = Trench 15
R = Trench 24
S = Trench 25
RA = ASFETs for Repetitive Avalanche
EL = ASFETs for Airbag

P-channel technology
P = P-channel

Voltage rating
V_{DS} rating

R_{DS(on)} max rating
e.g. **1R0** = 1.0 mΩ
e.g. **10** = 10 mΩ

Automotive grade micro-lead MOSFETs nomenclature

BXK 9 Q 29 - 60 A

Segment
BXK = Micro-lead automotive MOSFETs

Gate level
7 = Standard level
9 = Logic level

Package
Q = MLPAK33-WF (SOT8002-3D)
R = MLPAK56-WF (SOT8038-2)

N-channel technology
E = Trench 6
H = Trench 9
L = Trench 12
R = Trench 24
S = Trench 25

Voltage rating
V_{DS} rating

R_{DS(on)} max rating
e.g. **1R0** = 1.0 mΩ
e.g. **10** = 10 mΩ

N-channel 30 V automotive power MOSFETs

| Package name | Type number | V _{DS} [max] (V) | R _{DS(on)} [max] @ 10 V (mΩ) | R _{DS(on)} [max] @ 5 V (mΩ) | I _D [max] @ 25 °C (A) | R _{th(j-mb)} [max] (K/W) |
|---|--------------|---------------------------|---------------------------------------|--------------------------------------|----------------------------------|-----------------------------------|
|  LFPAK56D (SOT1205) | BUK9K5R1-30E | 30 | 4.4 | 5.3 | 40 | 2.21 |
| | BUK9K5R6-30E | 30 | 4.7 | 5.8 | 40 | 2.36 |
| | BUK7K5R1-30E | 30 | 5.1 | | 40 | 2.21 |
| | BUK7K5R6-30E | 30 | 5.6 | | 40 | 2.36 |
|  LFPAK33 (SOT1210) | BUK9M5R2-30E | 30 | 4.1 | 5.2 | 70 | 1.89 |
| | BUK9M6R6-30E | 30 | 5.3 | 6.6 | 70 | 2 |
| | BUK9M10-30E | 30 | 7.8 | 10 | 54 | 2.75 |
| | BUK9M17-30E | 30 | 14 | 17 | 37 | 3.4 |

N-channel 40 V automotive power MOSFETs

types in **bold** represent new products

| Package name | Type number | V_{DS} [max] (V) | $R_{DS(on)}$ [max] @ 10 V (m Ω) | $R_{DS(on)}$ [max] @ 5 V (m Ω) | I_D [max] @ 25 °C (A) | $R_{th(j-mb)}$ [max] (K/W) |
|--|---------------------|-----------------------|--|---|----------------------------------|----------------------------------|
|  LFPAK88 (SOT1235) | BUK7S0R5-40H | 40 | 0.55 | | 500 | 0.4 |
| | BUK7S0R7-40H | 40 | 0.7 | | 425 | 0.4 |
| | BUK7S1R0-40H | 40 | 1 | | 325 | 0.4 |
| | BUK7S1R2-40H | 40 | 1.2 | | 300 | 0.51 |
| | BUK7S1R5-40H | 40 | 1.5 | | 260 | 0.62 |
| | BUK7S2R0-40H | 40 | 2.0 | | 190 | 0.82 |
| | BUK7S2R5-40H | 40 | 2.5 | | 140 | 1.11 |
|  D ² PAK (SOT404) | BUK961R6-40E | 40 | 1.4 | 1.6 | 120 | 0.43 |
| | BUK761R6-40E | 40 | 1.6 | | 120 | 0.43 |
| | BUK764R0-40E | 40 | 4 | | 75 | 0.82 |
| | BUK768R1-40E | 40 | 7.2 | | 75 | 1.56 |
|  LFPAK56E (SOT1023) | BUK9J0R9-40H | 40 | 0.94 | 1.2 | 220 | 0.3 |
| | BUK7J1R0-40H | 40 | 1 | | 220 | 0.3 |
| | BUK7J1R4-40H | 40 | 1.4 | | 120 | 0.38 |
|  LFPAK56; Power-SO8 (SOT669) | BUK7Y1R0-40N | 40 | 0.9 | | 320 | 0.56 |
| | BUK9Y1R3-40H | 40 | 1.3 | 1.8 | 190 | 0.38 |
| | BUK7Y1R4-40H | 40 | 1.4 | | 190 | 0.38 |
| | BUK9Y1R6-40H | 40 | 1.6 | 2.2 | 120 | 0.51 |
| | BUK7Y1R7-40H | 40 | 1.7 | | 120 | 0.51 |
| | BUK9Y1R9-40H | 40 | 1.9 | 2.6 | 120 | 0.69 |
| | BUK7Y2R0-40H | 40 | 2 | | 120 | 0.69 |
| | BUK9Y2R4-40H | 40 | 2.4 | 3.2 | 120 | 0.79 |
| | BUK9Y3R0-40E | 40 | 2.5 | 3 | 100 | 0.77 |
| | BUK7Y2R5-40H | 40 | 2.5 | | 120 | 0.79 |
| | BUK9Y2R8-40H | 40 | 2.8 | 3.9 | 120 | 0.87 |
| | BUK7Y3R0-40H | 40 | 3 | | 120 | 0.87 |
| | BUK7Y3R5-40H | 40 | 3.5 | | 120 | 1.3 |
| | BUK7Y3R5-40E | 40 | 3.5 | | 100 | 0.9 |
| | BUK9Y3R5-40E | 40 | 3.6 | 3.8 | 100 | 0.9 |
| | BUK9Y4R4-40E | 40 | 3.7 | 4.4 | 100 | 1.02 |
| | BUK7Y4R4-40E | 40 | 4.4 | | 100 | 1.02 |
| | BUK9Y7R6-40E | 40 | 6 | 7.6 | 79 | 1.58 |
| | BUK9Y6R5-40H | 40 | 6.5 | 7.9 | 70 | 2.35 |
| | BUK7Y7R0-40H | 40 | 7 | | 68 | 2.35 |
| | BUK9Y12-40E | 40 | 10 | 12 | 52 | 2.31 |
| | BUK7Y12-40E | 40 | 12 | | 52 | 2.31 |
| | BUK9Y21-40E | 40 | 17 | 21 | 33 | 3.33 |
| BUK7Y21-40E | 40 | 21 | | 33 | 3.33 | |
| BUK9Y29-40E | 40 | 25 | 29 | 25 | 4.03 | |
| BUK7Y29-40E | 40 | 29 | | 26 | 4.03 | |

N-channel 40 V automotive power MOSFETs

Types in **bold red** are in development.

| Package name | Type number | V _{DS} [max] (V) | R _{DS(on)} [max] @ 10 V (mΩ) | R _{DS(on)} [max] @ 4.5 V or 5 V (mΩ) | I _D [max] @ 25 °C (A) | R _{th(j-mb)} [max] (K/W) |
|---|------------------------|------------------------------|--|--|---|---|
|  LFPAK56D (SOT1205) | BUK7K3R5-40N | 40 | 3.5 | | TBA | TBA |
| | BUK7V4R2-40H | 40 | 4.2 | | 98 | 1.76 |
| | BUK7K6R2-40E | 40 | 5.8 | | 40 | 2.21 |
| | BUK9K6R2-40E | 40 | 6 | 6.2 | 40 | 2.21 |
| | BUK9K6R8-40E | 40 | 6.1 | 7.2 | 40 | 2.36 |
| | BUK7K6R8-40E | 40 | 6.8 | | | 2.36 |
| | BUK9K8R7-40E | 40 | 8 | 9.4 | 30 | 2.84 |
| | BUK7K8R7-40E | 40 | 8.5 | | | 2.84 |
| | BUK9V13-40H | 40 | 13 | 17 | 42 | 3 |
| | BUK9K13-40H | 40 | 14 | 17 | 42 | 3 |
| | BUK9K18-40E | 40 | 16 | 20 | 30 | 3.96 |
| | BUK7K18-40E | 40 | 19 | | 24 | 3.96 |
| | BUK9K25-40E | 40 | 24 | 29 | 18 | 4.68 |
| | BUK9K25-40RA | 40 | 24 | 29 | 18.2 | 4.68 |
| | BUK7K25-40E | 40 | 25 | | 27 | 4.68 |
|  LFPAK33 (SOT1210) | BUK7M3R3-40H | 40 | 3.3 | | 80 | 1.48 |
| | BUK9M3R3-40H | 40 | 3.3 | 4.2 | 80 | 1.48 |
| | BUK7M4R3-40H | 40 | 4.3 | | 95 | 1.67 |
| | BUK9M4R3-40H | 40 | 4.3 | 5.5 | 95 | 1.67 |
| | BUK7M5R0-40H | 40 | 5 | | 85 | 1.81 |
| | BUK9M5R0-40H | 40 | 5 | 6.4 | 85 | 1.81 |
| | BUK9M7R2-40E | 40 | 5.8 | 7.2 | 70 | 1.89 |
| | BUK7M6R0-40H | 40 | 6 | | 50 | 2.14 |
| | BUK9M6R0-40H | 40 | 6 | 7.7 | 50 | 2.14 |
| | BUK7M6R3-40E | 40 | 6.3 | | 70 | 1.89 |
| | BUK7M6R7-40H | 40 | 6.7 | | 50 | 2.32 |
| | BUK9M6R7-40H | 40 | 6.7 | 8.6 | 50 | 2.32 |
| | BUK9M9R1-40E | 40 | 7.3 | 9.1 | 64 | 2 |
| | BUK7M8R0-40E | 40 | 8 | | 69 | 2 |
| | BUK7M8R5-40H | 40 | 8.5 | | 40 | 2.56 |
| | BUK9M8R5-40H | 40 | 8.5 | 11 | 40 | 2.56 |
| | BUK9M11-40E | 40 | 9 | 11 | 53 | 2.43 |
| | BUK7M9R5-40H | 40 | 9.5 | | 40 | 2.74 |
| | BUK9M9R5-40H | 40 | 9.5 | 12 | 40 | 2.74 |
| | BUK7M10-40E | 40 | 10 | | 56 | 2.43 |
| | BUK7M11-40H | 40 | 11 | | 35 | 3 |
| | BUK9M11-40H | 40 | 11 | 14 | 35 | 3 |
| | BUK9M14-40E | 40 | 11 | 14 | 44 | 2.75 |
| | BUK7M12-40E | 40 | 12 | | 48 | 2.75 |
| | BUK7M15-40H | 40 | 15 | | 30 | 3.44 |
| | BUK9M15-40H | 40 | 15 | 19 | 30 | 3.44 |
| | BUK9M24-40E | 40 | 20 | 24 | 30 | 3.4 |
| | BUK7M20-40H | 40 | 20 | | 25 | 3.96 |
| | BUK9M20-40H | 40 | 20 | 25 | 25 | 3.96 |
| | BUK7M21-40E | 40 | 21 | | 33 | 3.4 |
| BUK9M52-40E | 40 | 40 | 52 | 18 | 4.8 | |
| BUK7M45-40E | 40 | 45 | | 19 | 4.8 | |
|  MLPAK33-WF (SOT8002-3D) | BXK7Q4R9-40H | 40 | 4.9 | | | |
| | BXK7Q6R0-40H | 40 | 6 | | | |
| | BXK7Q7R5-40H | 40 | 7.5 | | | |
| | BXK7Q8R4-40H | 40 | 8.4 | | | |
| | BXK7Q9R5-40H | 40 | 9.5 | | | |
| | BXK9Q7R0-40H | 40 | 7 | | | |
| | BXK9Q4R6-40H | 40 | 4.6 | | | |
| | BXK9Q12-40H | 40 | 12 | | | |
| | BXK9Q20-40H-40H | 40 | 20 | | | |
|  MLPAK56-WF (SOT8038-2) | BXK9R4R5-40H | 40 | 4.5 | | | |

N-channel 55 V - 60 V automotive power MOSFETs

| Package name | Type number | V_{DS} [max] (V) | $R_{DS(on)}$ [max] @ 10 V (m Ω) | $R_{DS(on)}$ [max] @ 5 V (m Ω) | I_D [max] @ 25 °C (A) | $R_{th(j-mb)}$ [max] (K/W) |
|--|---------------|-----------------------|--|---|----------------------------------|----------------------------------|
|  <p>LFPAK56: Power-SO8 (SOT669)</p> | BUK9Y4R8-60E | 60 | 4.1 | 4.8 | 100 | 0.63 |
| | BUK7Y4R8-60E | 60 | 4.8 | | 100 | 0.63 |
| | BUK9Y6R0-60E | 60 | 5.2 | 6 | 100 | 0.77 |
| | BUK9Y7R2-60E | 60 | 5.6 | 7.2 | 100 | 0.9 |
| | BUK7Y6R0-60E | 60 | 6 | | 100 | 0.77 |
| | BUK9Y7R0-60EL | 60 | 6.2 | 7 | 100 | 0.63 |
| | BUK7Y7R2-60E | 60 | 7.2 | | 100 | 0.9 |
| | BUK9Y8R7-60E | 60 | 7.5 | 8.7 | 86 | 1.02 |
| | BUK9Y8R8-60EL | 60 | 8 | 9 | 100 | 0.77 |
| | BUK7Y8R7-60E | 60 | 8.7 | | 87 | 1.02 |
| | BUK9Y13-60EL | 60 | 11 | 13 | 73 | 1.02 |
| | BUK7Y15-60E | 60 | 15 | | 53 | 1.59 |
| | BUK9Y15-60E | 60 | 13 | 15 | 53 | 1.58 |
| | BUK9Y22-60EL | 60 | 20 | 22 | 45 | 1.58 |
| | BUK9Y25-60E | 60 | 22 | 25 | 34 | 2.31 |
| | BUK7Y25-60E | 60 | 25 | | 34 | 2.31 |
| | BUK9Y43-60E | 60 | 38 | 43 | 22 | 3.33 |
| | BUK7Y43-60E | 60 | 43 | | 22 | 3.33 |
| BUK9Y59-60E | 60 | 52 | 59 | 17 | 4.03 | |
| BUK7Y59-60E | 60 | 59 | | 17 | 4.03 | |
|  <p>LFPAK56D (SOT1205)</p> | BUK7K12-60E | 60 | 9.3 | | 40 | 2.21 |
| | BUK7K13-60E | 60 | 10 | | 40 | 2.36 |
| | BUK9K12-60E | 60 | 11 | 12 | 35 | 2.21 |
| | BUK9K13-60RA | 60 | 11.2 | 12.5 | 40 | 2.36 |
| | BUK9K13-60E | 60 | 12 | 13 | 40 | 2.36 |
| | BUK7K17-60E | 60 | 14 | | 30 | 2.84 |
| | BUK7K35-60E | 60 | 30 | | 21 | 3.96 |
| | BUK9K35-60E | 60 | 32 | 35 | 22 | 3.96 |
| | BUK9K35-60RA | 60 | 32 | 35 | 22 | 3.96 |
| | BUK7K52-60E | 60 | 45 | | 15 | 4.68 |
| | BUK9K52-60E | 60 | 49 | 55 | 16 | 4.68 |
| | BUK9K52-60RA | 60 | 49 | 55 | 16 | 4.68 |

N-channel 55 V - 60 V automotive power MOSFETs

| Package name | Type number | V_{DS} [max] (V) | $R_{DS(on)}$ [max] @ 10 V (m Ω) | $R_{DS(on)}$ [max] @ 5 V (m Ω) | I_D [max] @ 25 °C (A) | $R_{th(j-mb)}$ [max] (K/W) |
|---|-----------------|-----------------------|--|---|----------------------------------|----------------------------------|
|  LFPAK33 (SOT1210) | BUK7M9R9-60E | 60 | 9.9 | | 60 | 1.89 |
| | BUK9M12-60E | 60 | 11 | 12 | 54 | 1.89 |
| | BUK7M12-60E | 60 | 12 | | 53 | 2 |
| | BUK9M15-60E | 60 | 13 | 15 | 47 | 2 |
| | BUK7M15-60E | 60 | 15 | | 43 | 2.43 |
| | BUK9M20-60EL | 60 | 17 | 20 | 46 | 1.89 |
| | BUK9M19-60E | 60 | 17 | 19 | 38 | 2.43 |
| | BUK7M19-60E | 60 | 19 | | 36 | 2.75 |
| | BUK9M24-60E | 60 | 21 | 24 | 32 | 2.75 |
| | BUK9M31-60EL | 60 | 27 | 31 | 32 | 2.43 |
| | BUK7M33-60E | 60 | 33 | | 24 | 3.4 |
| | BUK9M42-60E | 60 | 37 | 42 | 22 | 3.4 |
| | BUK7M42-60E | 60 | 42 | | 20 | 4.17 |
| | BUK9M53-60E | 60 | 46 | 53 | 17 | 4.17 |
| | BUK9M67-60EL | 60 | 59 | 67 | 19 | 3.4 |
| | BUK7M67-60E | 60 | 67 | | 14 | 4.8 |
| | BUK9M85-60E | 60 | 73 | 85 | 13 | 4.8 |
|  MLPAK33 (SOT8002-3) | BXK9Q29-60E | 60 | 29 | | 21 | 5.5 |
|  SC-73 (SOT223) | BUK9832-55A/CU | 55 | 29 | 32 | 12 | 15 |
| | BUK9880-55A/CU | 55 | 73 | 80 | 7 | 15 |
| | BUK7880-55A/CU | 55 | 80 | | 7 | 15 |
| | BUK98150-55A/CU | 55 | 137 | 150 | 5.5 | |
| | BUK78150-55A/CU | 55 | 150 | | 5.5 | |

N-channel 75 V - 80 V automotive power MOSFETs

Types in **bold red** are in development, types in **bold** represent new products

| Package name | Type number | V_{DS} [max] (V) | $R_{DS(on)}$ [max] @ 10 V (m Ω) | $R_{DS(on)}$ [max] @ 5 V (m Ω) | I_b [max] @ 25 °C (A) | $R_{th(j-mb)}$ [max] (K/W) |
|--|---|-----------------------|--|---|----------------------------------|----------------------------------|
|  LFPAK56; Power-SO8 (SOT669) | BUK7Y3R1-80M | 80 | 3.1 | | 254 | 0.59 |
| | BUK7Y7R8-80E | 80 | 7.8 | | 100 | 0.63 |
| | BUK9Y8R5-80E | 80 | 8 | 8.5 | 100 | 0.63 |
| | BUK7Y9R9-80E | 80 | 9.9 | | 89 | 0.77 |
| | BUK9Y11-80E | 80 | 10 | 11 | 84 | 0.77 |
| | BUK9Y14-80E | 80 | 14 | 15 | 62 | 1.02 |
| | BUK7Y14-80E | 80 | 14 | | 65 | 1.02 |
| | BUK9Y25-80E | 80 | 25 | 27 | 37 | 1.58 |
| | BUK7Y25-80E | 80 | 25 | | 39 | 1.58 |
| | BUK9Y41-80E | 80 | 41 | 45 | 24 | 2.33 |
| | BUK7Y41-80E | 80 | 41 | | 25 | 2.31 |
| | BUK9Y72-80E | 80 | 72 | 78 | 15 | 3.33 |
| | BUK7Y72-80E | 80 | 72 | | 16 | 3.33 |
| | BUK9Y107-80E | 80 | 98 | 107 | 12 | 4.03 |
| BUK7Y98-80E | 80 | 98 | | 12 | 4.03 | |
|  LFPAK56D (SOT1205) | BUK9K12-80L | 80 | 12 | | 51 | 2.21 |
| | BUK7K15-80E | 80 | 15 | | 23 | 2.21 |
| | BUK7K17-80E | 80 | 17 | | 21 | 2.36 |
| | BUK9K20-80E | 80 | 17 | 19 | 23 | 2.84 |
| | BUK7K23-80E | 80 | 23 | | 17 | 2.21 |
| | BUK9K22-80E | 80 | 19 | 22 | 21 | 2.36 |
| | BUK9K30-80E | 80 | 26 | 30 | 17 | 2.84 |
| | BUK9K49-80L | 80 | 49 | | 17 | 4.68 |
|  LFPAK56E (SOT1023) | BUK7J2R4-80M | 80 | 2 | | 231 | 0.51 |
|  LFPAK33 (SOT1210) | BUK9M13-80L | 80 | 13 | | 55 | 1.65 |
| | BUK7M17-80E | 80 | 17 | | 43 | 1.89 |
| | BUK9M23-80E | 80 | 20 | 23 | 37 | 1.89 |
| | BUK7M22-80E | 80 | 22 | | 37 | 2 |
| | BUK9M24-80L | 80 | 24 | | 35 | 2.23 |
| | BUK7M27-80E | 80 | 27 | | 30 | 2.43 |
| | BUK9M28-80E | 80 | 28 | 28 | 33 | 2 |
| | BUK9M35-80E | 80 | 35 | 35 | 26 | 2.43 |
| | BUK9M48-80L | 80 | 48 | | 15 | 2.98 |
| |  MLPAK33-WF (SOT8002-3D) | BXK9Q14-80L | 80 | 14 | | |
| BXK9Q17-80L | | 80 | 17 | | | |
| BXK9Q22-80L | | 80 | 22 | | | |
| BXK9Q28-80L | | 80 | 28 | | | |
| BXK9Q34-80L | | 80 | 34 | | | |
| BXK9Q45-80L | | 80 | 45 | | | |

N-channel 100 V automotive power MOSFETs

Types in **bold red** are in development, types in **bold** represent new products

| Package name | Type number | V _{DS} [max] (V) | R _{DS(on)} [max] @ 10 V (mΩ) | R _{DS(on)} [max] @ 5 V (mΩ) | I _b [max] @ 25 °C (A) | R _{th(j-mb)} [max] (K/W) |
|--|----------------------|------------------------------|--|---|---|---|
|  LFPAK56; Power-SO8 (SOT669) | BUK9Y12-100E | 100 | 12 | 12 | 85 | 0.63 |
| | BUK7Y12-100E | 100 | 12 | | 85 | 0.63 |
| | BUK9Y15-100E | 100 | 15 | 15 | 69 | 0.77 |
| | BUK9Y19-100E | 100 | 18 | 19 | 56 | 0.9 |
| | BUK7Y19-100E | 100 | 19 | | 56 | 0.9 |
| | BUK9Y22-100E | 100 | 22 | 22 | 49 | 1.02 |
| | BUK7Y22-100E | 100 | 22 | | 49 | 1.02 |
| | BUK9Y38-100E | 100 | 38 | 38 | 30 | 1.58 |
| | BUK7Y38-100E | 100 | 38 | | 30 | 1.58 |
| | BUK9Y65-100E | 100 | 64 | 65 | 19 | 2.31 |
| | BUK7Y65-100E | 100 | 65 | | 19 | 2.31 |
| | BUK9Y113-100E | 100 | 110 | 113 | 12 | 3.33 |
| | BUK7Y113-100E | 100 | 113 | | 12 | 3.33 |
| | BUK9Y153-100E | 100 | 146 | 153 | 9.4 | 4.03 |
| | BUK7Y153-100E | 100 | 153 | | 9.4 | 4.03 |
|  CCPAK1212 (SOT8000A) | BUK7A1R0-100L | 100 | 0.99 | | | |
| | BUK7A1R3-100L | 100 | 1.3 | | | |
|  CCPAK1212i (SOT8005A) | BUK7T1R0-100L | 100 | 1.04 | | | |
| | BUK7T1R4-100L | 100 | 1.35 | | | |
|  LFPAK56D (SOT1205) | BUK7K29-100E | 100 | 25 | | 29.5 | 2.21 |
| | BUK9K29-100E | 100 | 27 | 29 | 30 | 2.21 |
| | BUK9K31-100L | 100 | 31 | | | |
| | BUK7K32-100E | 100 | 28 | | 29 | 2.36 |
| | BUK9K32-100E | 100 | 31 | 33 | 26 | 2.36 |
| | BUK9K35-100L | 100 | 35 | | 23 | 3.57 |
| | BUK7K45-100E | 100 | 38 | | 21 | 2.84 |
| | BUK9K45-100E | 100 | 42 | 45 | 21 | 2.84 |
| | BUK9K61-100L | 100 | 61 | | | |
| | BUK7K89-100E | 100 | 83 | | 13 | 3.96 |
| | BUK9K89-100E | 100 | 85 | 89 | 13 | 3.96 |
| | BUK7K134-100E | 100 | 121 | | 9.8 | 4.68 |
| | BUK9K134-100E | 100 | 154 | 159 | 8.5 | 4.68 |

N-channel 100 V automotive power MOSFETs

Types in **bold red** are in development, types in **bold** represent new products

| Package name | Type number | V_{DS} [max] (V) | $R_{DS(on)}$ [max] @ 10 V (m Ω) | $R_{DS(on)}$ [max] @ 5 V (m Ω) | I_D [max] @ 25 °C (A) | $R_{th(j-mb)}$ [max] (K/W) |
|---|---------------------|-----------------------|--|---|----------------------------------|----------------------------------|
|  LFPAK33 (SOT1210) | BUK9M34-100E | 100 | 34 | 34 | 29 | 1.89 |
| | BUK9M16-100L | 100 | 16 | | 45 | 1.65 |
| | BUK9M43-100E | 100 | 43 | 44 | 26 | 1.88 |
| | BUK9M60-100L | 100 | 60 | | 19 | 2.98 |
| | BUK9M120-100E | 100 | 119 | 120 | 12 | 3.4 |
| | BUK9M156-100E | 100 | 150 | 156 | 9.3 | 4.17 |
|  MLPAK33-WF (SOT8002-3D) | BXK9Q16-100L | 100 | 16 | | | |
| | BXK9Q19-100L | 100 | 22 | | | |
| | BXK9Q25-100L | 100 | 29 | | | |
| | BXK9Q32-100L | 100 | 33 | | | |
| | BXK9Q39-100L | 100 | 46 | | | |
| | BXK9Q50-100L | 100 | 55 | | | |
|  SC-73 (SOT223) | BUK98180-100A/CU | 100 | 173 | 180 | 4.6 | |
| | BUK9875-100A/CU | 101 | 72 | 75 | 7 | |

P-channel 30 V - 60 V automotive power MOSFETs

| Package name | Type number | V_{DS} [max] (V) | $R_{DS(on)}$ [max] @ 10 V (m Ω) | I_D [max] @ 25 °C (A) | $R_{th(j-mb)}$ [max] (K/W) |
|--|-------------|-----------------------|--|----------------------------------|----------------------------------|
|  LFPAK56; Power-SO8 (SOT669) | BUK6Y10-30P | 30 | 10 | 80 | 1.4 |
| | BUK6Y19-30P | 30 | 19 | 45 | 2.3 |
| | BUK6Y24-40P | 40 | 14 | 39 | 2.3 |
| | BUK6Y14-40P | 40 | 15 | 64 | 1.4 |
| | BUK6Y33-60P | 60 | 33 | 38 | 1.4 |
| | BUK6Y61-60P | 60 | 61 | 22 | 2.3 |

Small-signal automotive MOSFETs – Low $R_{DS(on)}$

| Package | | | | | | | | | | | | |
|-----------------------|---------------------|---------------------|--------------------|-----------------------------|-----------------------------|---------------------|--|-------|-------|-------|-----|--|
| Size (mm) | | | | | | | | | | | | |
| P _{tot} (mW) | | | | | | | | | | | | |
| Polarity | V _{DS} (V) | V _{GS} (V) | I _D (A) | V _{GS(th)} min (V) | V _{GS(th)} max (V) | ESD protection (kV) | R _{DS(on)} typ (mΩ) @ V _{GS} = | | | | | |
| | | | | | | | 10 V | 4.5 V | 2.5 V | 1.8 V | | |
| N-channel | 20 | 8 | 7 | 0.4 | 1 | 1 | - | 15 | 18 | - | | |
| | | | 4.7 | 0.45 | 1 | 2 | - | 24 | 29 | 40 | | |
| | | | 2.8 | 0.4 | 1 | 2 | - | 64 | 78 | 110 | | |
| | | 12 | 12.9 | 0.4 | 0.9 | 2 | - | 10 | 12 | 16 | | |
| | | | 11.4 | 0.4 | 0.9 | 2 | - | 12 | 15 | 20 | | |
| | | | 7.3 | 0.6 | 1.3 | 2 | - | 13 | 17 | - | | |
| | 30 | 8 | 26 | 0.6 | 1.3 | 2 | - | 16 | 21 | - | | |
| | | | 6.3 | 0.75 | 1.25 | 2 | - | 16 | 24 | - | | |
| | | | 6 | 0.4 | 0.9 | 1 | - | 13 | 23 | 39 | | |
| | | 12 | 11.3 | 0.4 | 0.9 | 2 | - | 13 | 14 | 17 | | |
| | | | 5 | 0.4 | 0.9 | 2 | - | 28 | 32 | 37 | | |
| | | | 4 | 0.75 | 1.25 | 2 | - | 55 | 72 | - | | |
| | 40 | 20 | 8.3 | 0.6 | 1.25 | 1 | - | 60 | 98 | - | | |
| | | | 5.5/22 | 1 | 2.5 | 2 | 17 | 22 | - | - | | |
| | | | 3.9/17 | 1 | 2.5 | 2 | 30 | 39 | - | - | | |
| | | 20 | 3.7/11 | 1 | 2.5 | 2 | 54 | 70 | - | - | | |
| | | | 19 | 1.4 | 2.1 | - | 18 | 22 | - | - | | |
| | | | 6.2/19 | 1.3 | 2.7 | - | 17 | 22 | - | - | | |
| | 60 | 20 | 19 | 2.4 | 4 | - | 18 | - | - | - | | |
| | | | 5/18 | 1.5 | 2.5 | 2 | 25 | 30 | - | - | | |
| | | | 2.7 | 1 | 2.5 | 1 | 64 | 79 | - | - | | |
| | | | 9 | 1 | 2.5 | 1 | 85 | 112 | - | - | | |
| | | | 2.5/5.7 | 1 | 2.5 | 1 | 95 | 120 | - | - | | |
| | | | 4.2/13 | 1.3 | 2.7 | - | 32 | 38 | - | - | | |
| 80 | 20 | 4.7/14 | 2.4 | 4 | - | 36 | - | - | - | | | |
| | | 3.5/11 | 1.3 | 2.7 | 2 | 37 | 45 | - | - | | | |
| | | 11 | 1.3 | 2.7 | 2 | 59 | 70 | - | - | | | |
| | | 2.2/7.4 | 1.3 | 2.7 | 2 | 88 | 104 | - | - | | | |
| | | 1.5/5.7 | 1.3 | 2.7 | 2 | 176 | 196 | - | - | | | |
| | | 0.8 | 1.3 | 2.7 | 2 | 300 | 332 | - | - | | | |
| 100 | 20 | 10 | 1.3 | 2.7 | 2 | 72 | 84 | - | - | | | |
| | | 7 | 1.3 | 2.7 | 2 | 175 | 195 | - | - | | | |
| | | 1.5 | 1.3 | 2.7 | 2 | 285 | 301 | - | - | | | |
| | | 11.8 | 0.47 | 0.9 | - | - | 15 | 17 | 21 | | | |
| | | 20 | 8 | 5.6 | 0.45 | 0.95 | 2 | - | 27 | 38 | 50 | |
| | | | | 2 | 0.4 | 0.9 | - | - | 97 | 118 | 145 | |
| 2 | 0.5 | | | 1.1 | - | - | 100 | 155 | 210 | | | |
| 12 | 2.3 | | 0.45 | 0.95 | - | - | 120 | 150 | 200 | | | |
| | 10.3 | | 0.47 | 0.9 | 2 | - | 19 | 22 | 28 | | | |
| | 5 | | 0.47 | 0.9 | 2.3 | - | 28 | 31 | 36 | | | |
| | 5.3 | 0.75 | 1.25 | 2 | - | 28 | 42 | - | | | | |
| | 5 | 0.6 | 1.3 | 1 | - | 38 | - | - | | | | |
| | 5.2/18 | 0.6 | 1.3 | 1 | - | 38 | 64 | - | | | | |
| | 5 | 0.47 | 0.9 | 2 | - | 39 | 45 | 56 | | | | |
| | 5.7 | 0.75 | 1.25 | 2 | - | 41 | 56 | - | | | | |
| | 3.5 | 0.75 | 1.25 | - | - | 48 | 71 | - | | | | |
| 30 | 20 | 4.7 | 0.6 | 1.3 | 1 | - | 50 | 78 | - | | | |
| | | 4.4 | 0.6 | 1.3 | - | - | 55 | - | - | | | |
| | | 3.3 | 0.75 | 1.25 | 2 | - | 67 | 99 | - | | | |
| | | 2.4 | 1 | 2.5 | 2 | - | 97 | 147 | - | | | |
| | | 6.7 | 1 | 1.3 | 1 | - | 110 | 189 | - | | | |
| | | 8.8 | 1 | 2.5 | - | - | 24 | 32 | - | - | | |
| 40 | 20 | 4.2 | 1 | 3 | 2 | 35 | 47 | - | - | | | |
| | | 1.5 | 1 | 2.5 | 1 | 180 | 220 | - | - | | | |
| | | 14 | 1.4 | 2.7 | - | 30 | 45 | - | - | | | |
| 60 | 20 | 8 | 1.9 | 3.2 | - | 95 | 125 | - | - | | | |
| | | 3 | 1.9 | 3.2 | - | 130 | 180 | - | - | | | |

| SOT457 (SC-74) | SOT23 | DFN2020MD-6 (SOT1220) | DFN2020D-6 (SOT1118D) |
|---|---|--|---|
|  |  |  |  |
| 2.9 x 1.5 x 1.0 | 2.9 x 1.3 x 1.0 | 2.0 x 2.0 x 0.65 | 2.0 x 2.0 x 0.65 |
| 600 | 250 | 1250 | 1250 |
| | PMV15UNEA | | |
| | PMV28UNEA | | |
| | PMV65UNEA | | |
| | | PMPB10XNEA | |
| | | PMPB12UNEA | |
| | PMV13XNEA | | |
| | | BUK4D16-20 | |
| | PMV20XNEA | PMPB20XNEA | |
| | PMV19XNEA | | |
| | | PMPB13XNEA | |
| | | PMPB29XNEA | |
| | PMV50XNEA | | PMDPB56XNEA |
| | | BUK4D60-30 | |
| PMN25ENEA | PMV15ENEA | BUK6D22-30E | |
| | PMV28ENEA | BUK6D38-30E | |
| | PMV52ENEA | BUK6D72-30E | |
| PMN20ENA | | BUK9D23-40E | |
| | | BUK6D23-40E | |
| PMN30ENEA | PMV30ENEA | BUK7D25-40E | |
| | PMV60ENEA | BUK6D30-40E | |
| | | | |
| | PMV130ENEA | BUK6D120-40E | |
| PMN40ENA | | BUK6D43-60E | |
| PMN40SNA | | BUK7D36-60E | |
| PMN55ENEA | PMV37ENEA | BUK6D56-60E | |
| | | BUK6D77-60E | |
| PMN120ENEA | PMV88ENEA | BUK6D125-60E | |
| PMN230ENEA | PMV164ENEA | BUK6D210-60E | |
| | PMV450ENEA | | |
| | | BUK6D81-80E | |
| | | BUK6D230-80E | |
| PMN280ENEA | PMV280ENEA | BUK6D335-100E | |
| | | PMPB15XPA | |
| | PMV27UPEA | | |
| | BSH205G2A | | |
| | NX2301P | | |
| | BSH205G2 | | |
| | | PMPB20XPEA | |
| | | PMPB29XPEA | |
| | PMV30XPEA | | |
| PMN30XPEA | PMV28XPEA | | |
| PMN30XPA | PMV30XPA | BUK4D38-20P | |
| | | PMPB43XPEA | |
| PMN42XPEA | | | |
| PMN48XPA | PMV48XPA | | |
| PMN40XPEA | | | |
| PMN48XPA2 | PMV48XPA2 | | |
| | PMV65XPEA | | |
| | PMV100XPEA | | |
| | | BUK4D110-20P | |
| | | PMPB27EPA | |
| | PMV50EPEA | | |
| | PMV250EPEA | | |
| | | BUK6D43-40P | |
| | | BUK6D120-60P | |
| PMN100EPA | PMV100EPA | | |

Automotive MOSFETs

Small-signal automotive MOSFETs – High $R_{DS(on)}$

| Package | | | | | | | | | | | |
|----------------|--------------|--------------|-----------|----------------------|----------------------|---------------------|---|-------|-------|-------|--|
| Size (mm) | | | | | | | | | | | |
| P_{tot} (mW) | | | | | | | | | | | |
| Polarity | V_{DS} (V) | V_{GS} (V) | I_D (A) | $V_{GS(th)}$ min (V) | $V_{GS(th)}$ max (V) | ESD protection (kV) | $R_{DS(on)}$ typ (m Ω) @ $V_{GS} =$ | | | | |
| | | | | | | | 10 V | 4.5 V | 2.5 V | 1.8 V | |
| N | 30 | 8 | 0.4 | 0.6 | 1.1 | 2 | - | 1000 | 1400 | 2000 | |
| | 60 | 16 | 0.72 | 1.3 | 2.6 | 1 | 850 | 1100 | - | - | |
| | | 20 | 0.36 | 0.9 | 1.5 | - | 900 | 1000 | - | - | |
| | | | 0.25 | 0.8 | 1.5 | yes | 2200 | 2700 | 3400 | - | |
| | | | 0.36 | 0.48 | 1.6 | 1.5 | 1000 | 1100 | 1400 | - | |
| | | | 0.24 | 1.3 | 2.6 | yes | 2200 | 2500 | - | - | |
| | | | 0.3 | 1 | 2.5 | 2 | 1000 | 1300 | - | - | |
| P | 30 | 8 | 0.23 | 0.6 | 1.1 | 2 | - | 2800 | 5300 | - | |
| | 50 | 12 | 0.27 | 1.1 | 2.1 | 1 | 7500 | 8500 | - | - | |
| | | 20 | 0.2 | 1.1 | 2.1 | 1 | 5300 | 6000 | - | - | |

Small-signal automotive MOSFETs – Dual

| Package | | | | | | | | | | | |
|----------------|--------------|--------------|-----------|----------------------|----------------------|---------------------|---|-------|-------|-------|--|
| Size (mm) | | | | | | | | | | | |
| P_{tot} (mW) | | | | | | | | | | | |
| Polarity | V_{DS} (V) | V_{GS} (V) | I_D (A) | $V_{GS(th)}$ min (V) | $V_{GS(th)}$ max (V) | ESD protection (kV) | $R_{DS(on)}$ typ (m Ω) @ $V_{GS} =$ | | | | |
| | | | | | | | 10 V | 4.5 V | 2.5 V | 1.8 V | |
| N | 20 | 10 | 4.5 | 0.4 | 0.9 | - | - | 26 | 33 | 50 | |
| | 30 | 12 | 4 | 0.75 | 1.25 | 2 | - | 55 | 72 | - | |
| P | 20 | 10 | 3.6 | 0.47 | 1 | - | - | 50 | 62 | 83 | |

Small-signal MOSFETs - Complementary

| Package | Type | Polarity | V_{DS} (V) | V_{GS} (V) | I_D (A) | $V_{GS(th)}$ min (V) | $V_{GS(th)}$ max (V) | |
|---|-------------|----------|--------------|--------------|-----------|----------------------|----------------------|--|
|  SOT363 (SC-88) (2.0 x 1.25 x 0.95) | NX3008CBKS | N | 30 | 8 | 0.35 | 0.6 | 1.1 | |
| | | P | 30 | 8 | 0.2 | 0.6 | 1.1 | |
|  DFN2020-6 (SOT1118) (2 x 2 x 0.65 mm) | PMCPB5530XA | N | 20 | 10 | 4.5 | 0.4 | 0.9 | |
| | | P | 20 | 10 | 3.6 | 0.47 | 1 | |
|  SOT363 (SC-88) (2.0 x 1.25 x 0.95) | PMGD290UCEA | N | 20 | 8 | 725 | 1 | 1 | |
| | | P | 20 | 8 | 500 | 1 | 1 | |

| SOT23 | SOT363 (SC-88) | SOT323 (SC-70) | DFN1110D-3 (SOT8015) |
|---|---|--|---|
|  |  |  |  |
| 2.9 x 1.3 x 1.0 | 2.0 x 1.25 x 0.95 | 2.0 x 1.25 x 0.95 | 1.1 x 1.0 x 0.47 |
| 250 | 300 | 200 | 420 |
| NX3008NBK | NX3008NBKS | NX3008NBKW | 2N7002KQB |
| BSS138P | BSS138PS | BSS138PW | BSS138AKQB-Q |
| BSS138AK-Q | BSS138AKS-Q | BSS138AKW-Q | BSS138AKQB-Q |
| BSS138BK | BSS138BKS | BSS138BKW | |
| 2N7002AK-Q | 2N7002AKS-Q | 2N7002AKW-Q | 2N7002AKQB-Q |
| 2N7002BK | 2N7002BKS | 2N7002BKW | |
| NX3008PBK | NX3008PBKS | NX3008PBKW | BSS84AKQB |
| BSS84AK | BSS84AKS | BSS84AKW | |

Types in **bold** represent new products

| DFN2020D-6 (SOT1118D) |
|---|
|  |
| 2.0 x 2.0 x 0.65 |
| 1250 |
| PMDPB30XNA |
| PMDPB56XNEA |
| PMDPB55XPA |

Types in **bold** represent new products

| t_{on} typ (ns) | t_{off} typ (ns) | Q_C typ (nC) | ESD protection (kV) | $R_{DS(on)}$ typ (m Ω) @ $V_{GS} =$ | | | | | |
|-------------------|--------------------|----------------|---------------------|---|-------|-------|-------|-------|-------|
| | | | | 10 V | 4.5 V | 2.5 V | 1.8 V | 1.5 V | 1.2 V |
| 26 | 88 | 0.52 | 2 | - | 1000 | 1400 | 2000 | - | - |
| 49 | 103 | 0.55 | 2 | - | 2800 | 5300 | - | - | - |
| 7 | 10 | 6.6 | - | - | 26 | 33 | 50 | - | - |
| 18 | 80 | 0.18 | - | - | 50 | 62 | 83 | - | - |
| 6 | 86 | 0.15 | 2 | - | 290 | 420 | 1 | - | - |
| 18 | 80 | 0.18 | 2 | - | 670 | 1 | 2 | - | - |

N-channel 25 V - 30 V power MOSFETs

| Package | Type number | V _{DS} [max] (V) | R _{DS(on)} [max] @ V _{GS} = 10 V (mΩ) | R _{DS(on)} [max] @ V _{GS} = 4.5 V or 5 V (mΩ) | I _D [max] (A) | Q _{G(tot)} [typ] (nC) |
|--|---------------|---------------------------|---|---|--------------------------|--------------------------------|
|  D ² PAK (SOT404) | PSMNR90-30BL | 30 | 1 | 1.4 | 120 | 118 |
| | PSMN1R5-30BLE | 30 | 1.5 | 1.85 | 120 | 108 |
| | PSMN2R7-30BL | 30 | 3 | 3.7 | 100 | 32 |
| | PSMN3R4-30BL | 30 | 3.3 | 3.8 | 100 | 31 |
| | PSMN3R4-30BLE | 30 | 3.4 | 5 | 120 | 37 |
| | PSMN4R3-30BL | 30 | 4.1 | 5.2 | 100 | 19 |
|  LFPAK56E (SOT1023) | PSMNR51-25YLH | 25 | 0.57 | 0.82 | 380 | 53 |
| | PSMN0R7-25YLD | 25 | 0.74 | 0.92 | 300 | 50.9 |
| | PSMN1R2-25YL | 25 | 1.2 | 1.9 | 100 | 50.6 |
| | PSMNR58-30YLH | 30 | 0.67 | 0.9 | 380 | 55 |
| | PSMN0R9-30YLD | 30 | 0.87 | 1.1 | 300 | 51 |
| | PSMN1R3-30YL | 30 | 1.3 | 2 | 100 | 46.6 |
|  LFPAK56; Power-SOB (SOT669) | PSMNR56-25YLE | 25 | 0.56 | | 320 | 54 |
| | PSMNR60-25YLH | 25 | 0.7 | 1.02 | 300 | 43 |
| | PSMN0R9-25YLD | 25 | 0.86 | 1.2 | 300 | 41.5 |
| | PSMNR89-25YLE | 25 | 0.89 | | 270 | 54 |
| | PSMNR98-25YLE | 25 | 0.98 | | 255 | 27 |
| | PSMN1R0-25YLD | 25 | 1.02 | 1.4 | 100 | 33.2 |
| | PSMN1R1-25YLC | 25 | 1.15 | 1.5 | 100 | 39 |
| | PSMN1R2-25YLD | 25 | 1.15 | 1.7 | 100 | 28 |
| | PSMN1R2-25YLC | 25 | 1.3 | 1.7 | 100 | 31 |
| | PSMN1R6-25YLE | 25 | 1.6 | | 185 | 16 |
| | PSMN1R7-25YLD | 25 | 1.68 | 2.4 | 100 | 21.5 |
| | PSMN2R0-25YLD | 25 | 2 | 2.9 | 100 | 15.7 |
| | PSMN2R9-25YLC | 25 | 3.15 | 4.1 | 100 | 16 |
| | PSMN4R0-25YLC | 25 | 4.5 | 5.8 | 84 | 10.9 |
| | PSMN5R4-25YLD | 25 | 5.4 | 8.4 | 70 | 5.7 |
| | PSMN6R0-25YLD | 25 | 6.03 | 10 | 61 | 4.9 |
| | PSMN6R0-25YLB | 25 | 6.1 | 7.9 | 73 | 9 |
| | PSMNR67-30YLE | 30 | 0.67 | | 365 | 52 |
| | PSMNR70-30YLH | 30 | 0.82 | 1.1 | 300 | 46 |
| | PSMNR82-30YLE | 30 | 0.82 | | 330 | 41 |
| | PSMN1R0-30YLE | 30 | 1 | | 275 | 33 |
| | PSMN1R0-30YLD | 30 | 1.02 | 1.3 | 300 | 38.2 |
| | PSMN1R1-30YLE | 30 | 1.1 | | 265 | 28 |
| | PSMN1R0-30YLC | 30 | 1.15 | 1.4 | 100 | 50 |
| | PSMN1R2-30YLD | 30 | 1.24 | 1.6 | 100 | 32 |
| | PSMN1R2-30YLC | 30 | 1.25 | 1.7 | 100 | 38 |
| | PSMN1R4-30YLD | 30 | 1.42 | 1.9 | 100 | 27.6 |
| | PSMN1R5-30YL | 30 | 1.5 | 1.9 | 100 | 36.2 |
| | PSMN1R5-30YLC | 30 | 1.55 | 2.1 | 100 | 30 |
| | PSMN1R7-30YL | 30 | 1.7 | 2.1 | 100 | 36.2 |
| | PSMN2R0-30YLD | 30 | 2 | 2.5 | 100 | 21.8 |
| | PSMN2R0-30YL | 30 | 2 | 2.6 | 100 | 30 |
| | PSMN2R0-30YLE | 30 | 2 | 3.5 | 100 | 41 |
| | PSMN2R1-30YLE | 30 | 2 | | 160 | 17 |
| | PSMN2R2-30YLC | 30 | 2.15 | 2.8 | 100 | 26 |
| | PSMN2R4-30YLD | 30 | 2.4 | 3.1 | 100 | 18 |
| | PSMN2R5-30YL | 30 | 2.4 | 3.2 | 100 | 27 |
| | PSMN2R6-30YLC | 30 | 2.8 | 3.7 | 100 | 18 |
| | PSMN3R0-30YL | 30 | 3 | 4 | 100 | 21 |
| | PSMN3R0-30YLD | 30 | 3 | 4 | 100 | 14.5 |
| | PSMN3R5-30YL | 30 | 3.5 | 4.6 | 100 | 19 |
| | PSMN4R0-30YL | 30 | 4 | 5.3 | 100 | 17.6 |
| PSMN4R0-30YLD | 30 | 4 | 5.5 | 95 | 9.6 | |
| PSMN4R1-30YLC | 30 | 4.35 | 5.7 | 92 | 11 | |
| PSMN4R5-30YLC | 30 | 4.8 | 6.1 | 84 | 9.6 | |
| PSMN5R0-30YL | 30 | 5 | 6.7 | 91 | 14.1 | |
| PSMN6R0-30YL | 30 | 6 | 7.9 | 79 | 11 | |
| PSMN6R0-30YLD | 30 | 6 | 8.4 | 66 | 6.7 | |
| PSMN6R1-30YLD | 30 | 6.1 | 8.4 | 66 | 6.4 | |
| PSMN6R0-30YLB | 30 | 6.5 | 8.1 | 71 | 9 | |

N-channel 25 V - 30 V power MOSFETs

Types in **bold red** are in development

| Package | Type number | V _{DS} [max] (V) | R _{DS(on)} [max] @ V _{GS} = 10 V (mΩ) | R _{DS(on)} [max] @ V _{GS} = 4.5 V or 5 V (mΩ) | I _D [max] (A) | Q _{c(tot)} [typ] (nC) |
|--|---------------------|---------------------------|--|--|--------------------------|--------------------------------|
|  LFPAK56; Power-SO8 (SOT669) | PSMN7R0-30YL | 30 | 7 | 9.1 | 76 | 10 |
| | PSMN7R0-30YLC | 30 | 7.1 | 8.9 | 61 | 7.9 |
| | PSMN7R5-30YLD | 30 | 7.5 | 10 | 51 | 5.8 |
| | PSMN9R1-30YL | 30 | 9.1 | 14 | 57 | 8.4 |
| | PSMN9R5-30YLC | 30 | 9.8 | 12 | 44 | 5 |
| | PSMN011-30YLC | 30 | 11.6 | 15 | 37 | 4.9 |
| | PSMN013-30YLC | 30 | 13 | 17 | 32 | 4 |
|  LFPAK56-UL2595 (SOT1023A) | PSMN0R9-30ULD | 30 | 0.87 | 1.09 | 300 | 109 |
|  LFPAK33 (SOT1210) | PSMN1R5-25MLH | 25 | 1.81 | 2.7 | 150 | 17 |
| | PSMN2R0-25MLD | 25 | 2 | 3.1 | 70 | 15.9 |
| | PSMN2R8-25MLC | 25 | 2.8 | 3.8 | 70 | 16.3 |
| | PSMN3R5-25MLD | 25 | 3.51 | 5.4 | 70 | 8.7 |
| | PSMN3R9-25MLC | 25 | 4.15 | 5.6 | 70 | 9.7 |
| | PSMN5R3-25MLD | 25 | 5.3 | 8.4 | 70 | 5.9 |
| | PSMN6R1-25MLD | 25 | 6.13 | 10 | 60 | 4.9 |
| | PSMN9R0-25MLC | 25 | 8.65 | 11 | 55 | 5.4 |
| | PSMN1R6-30MLH | 30 | 1.9 | 2.6 | 160 | 41 |
| | PSMN1R8-30MLH | 30 | 2.1 | 2.9 | 150 | 17 |
| | PSMN2R4-30MLD | 30 | 2.4 | 3.2 | 70 | 16 |
| | PSMN3R0-30MLC | 30 | 3.15 | 4.1 | 70 | 16.1 |
| | PSMN4R2-30MLD | 30 | 4.3 | 5.7 | 70 | 9.2 |
| | PSMN4R4-30MLC | 30 | 4.65 | 6 | 70 | 10.6 |
| | PSMN6R4-30MLD | 30 | 6.4 | 8.3 | 66 | 6.5 |
| | PSMN7R0-30MLC | 30 | 7 | 9 | 67 | 8.2 |
| | PSMN7R5-30MLD | 30 | 7.6 | 10 | 57 | 5.8 |
| | PSMN9R8-30MLC | 30 | 9.8 | 12 | 50 | 5 |
| PSMN013-30MLC | 30 | 13 | 17 | 39 | 3.7 | |
| PSMN020-30MLC | 30 | 18 | 27 | 31.8 | 4.6 | |
|  MLPAK33 (SOT8002) | PXN6R2-25QL | 25 | 6.2 | 8.5 | 22.3 | 8.1 |
| | PXN7R7-25QL | 25 | 7.7 | 10.3 | 19 | 5.3 |
| | PXN1R7-30QLA | 30 | 1.7 | | | |
| | PXN2R3-30QLA | 30 | 2.3 | | | |
| | PXN3R0-30QLA | 30 | 3 | | | |
| | PXN4R0-30RLA | 30 | 4 | 5.6 | 77 | |
| | PXN4R7-30QL | 30 | 4.7 | 6 | 25 | 14.7 |
| | PXN5R0-30QLA | 30 | 5 | | | |
| | PXN5R4-30QL | 30 | 5.4 | 7.2 | 22 | 17.4 |
| | PXN6R7-30QL | 30 | 6.7 | 8.6 | 21.5 | 7.9 |
| | PXN7R0-30QLA | 30 | 7 | | | |
| | PXN8R3-30QL | 30 | 8.3 | 11.1 | 18.3 | 5.1 |
| | PXN9R0-30QLA | 30 | | | | |
| | PXN9R0-30QL | 30 | 9.1 | 11 | 17.3 | 13.8 |
| | PXN010-30QL | 30 | 10.4 | 13.6 | 16.5 | 4 |
| | PXN011-30QLA | 30 | 11 | | | |
| | PXN017-30QL | 30 | 17.4 | 23.1 | 12 | 2.5 |
| | PXN018-30QL | 30 | 18 | 23 | 11.3 | 7.2 |
|  MLPAK56 (SOT8038) | PXN0R6-30RLA | 30 | 0.6 | | | |
| | PXN0R7-30RLA | 30 | 0.7 | | | |
| | PXN0R8-30RLA | 30 | 0.8 | | | |
| | PXN1R0-30RLA | 30 | 1.0 | | | |
| | PXN1R5-30RLA | 30 | 1.5 | | | |
| | PXN2R0-30RLA | 30 | 2.0 | | | |
| | PXN3R0-30RLA | 30 | 3.0 | | | |
| | PXN4R0-30RLA | 30 | 4.0 | | | |
| PXN5R0-30RLA | 30 | 5.0 | | | | |
| PXN7R0-30RLA | 30 | 7.0 | | | | |

N-channel 40 V - 60 V power MOSFETs

Types in **bold** represent new products
Types in **bold red** are in development

| Package | Type number | V _{DS} [max] (V) | R _{DS(on)} [max] @ V _{GS} = 10 V (mΩ) | R _{DS(on)} [max] @ V _{GS} = 4.5 V or 5 V (mΩ) | I _O [max] (A) | Q _{CL(tot)} [typ] (nC) |
|---|----------------------|---------------------------|--|--|--------------------------|---------------------------------|
|  LFPK88 (SOT1235) | PSMNR55-40SSH | 40 | 0.55 | | 500 | 267 |
| | PSMNR70-40SSH | 40 | 0.7 | | 425 | 144 |
| | PSMN1R0-40SSH | 40 | 1 | | 325 | 98 |
| | PSMNR90-50SLH | 50 | 0.92 | | 410 | 228 |
| | PSMN1R2-55SLH | 55 | 0.97 | | 330 | 226 |
|  D ² PAK (SOT404) | PSMN1R1-40BS | 40 | 1.3 | | 120 | 136 |
| | PSMN2R2-40BS | 40 | 2.2 | | 100 | 130 |
| | PSMN2R8-40BS | 40 | 2.9 | | 100 | 71 |
| | PSMN4R5-40BS | 40 | 4.5 | | 100 | 35 |
| | PSMN8R0-40BS | 40 | 7.6 | | 77 | 21 |
| | PSMN1R7-60BS | 60 | 2 | | 120 | 137 |
| | PSMN3R0-60BS | 60 | 3.2 | | 100 | 130 |
| | PSMN4R6-60BS | 60 | 4.4 | | 100 | 70.8 |
| | PSMN7R6-60BS | 60 | 7.8 | | 92 | 38.7 |
| | PSMN015-60BS | 60 | 15 | | 50 | 20.9 |
| | PSMNR70-40YSN | 40 | 0.7 | | 360 | 168 |
|  LFPK56E (SOT1023) | PSMNR90-40YLH | 40 | 0.94 | 1.2 | 300 | 54 |
| | PSMN1R0-40YSH | 40 | 1 | | 290 | 87 |
| | PSMN1R0-40YLD | 40 | 1.1 | 1.4 | 280 | 127 |
| | PSMN1R5-50YLH | 50 | 1.6 | | 220 | 51 |
| | PSMN2R0-55YLH | 55 | 2.24 | | 200 | 50 |
| | PSMN1R1-60YSF | 60 | 1 | | | |
| | PSMNR90-40YSN | 40 | 0.97 | | 320 | 135 |
|  LFPK56; Power-SO8 (SOT669) | PSMN1R4-40YLD | 40 | 1.4 | 1.85 | 240 | 96 |
| | PSMN1R5-40YSD | 40 | 1.5 | | 240 | 71 |
| | PSMN1R7-40YLB | 40 | 1.8 | 2.3 | 200 | 79 |
| | PSMN1R7-40YLD | 40 | 1.8 | 2.3 | 200 | 78 |
| | PSMN1R8-40YLC | 40 | 1.8 | 2.1 | 100 | 96 |
| | PSMN1R9-40YSD | 40 | 1.9 | | 200 | 57 |
| | PSMN1R9-40YSB | 40 | 1.9 | | 200 | 56 |
| | PSMN2R0-40YLB | 40 | 2.1 | 2.7 | 180 | 28 |
| | PSMN2R0-40YLD | 40 | 2.1 | 2.7 | 180 | 66 |
| | PSMN2R2-40YSB | 40 | 2.2 | | 180 | 49 |
| | PSMN2R2-40YSD | 40 | 2.2 | | 180 | 45 |
| | PSMN2R5-40YLB | 40 | 2.6 | 3.3 | 160 | 25 |
| | PSMN2R5-40YLD | 40 | 2.6 | 3.3 | 160 | 56 |
| | PSMN2R8-40YSB | 40 | 2.8 | | 160 | 37 |
| | PSMN2R8-40YSD | 40 | 2.8 | | 160 | 44 |
| | PSMN3R2-40YLB | 40 | 3.3 | 4.2 | 120 | 19 |
| | PSMN3R2-40YLD | 40 | 3.3 | 4.2 | | 120 |
| | PSMN3R5-40YSB | 40 | 3.5 | | 120 | 30 |
| | PSMN3R5-40YSD | 40 | 3.5 | | 120 | 31 |
| | PSMN4R0-40YS | 40 | 4.2 | | | |
| | PSMN5R8-40YS | 40 | 5.7 | | 90 | 23.8 |
| | PSMN8R3-40YS | 40 | 8.6 | | 70 | 20 |
| | PSMN014-40YS | 40 | 14 | | 46 | 10 |
| | PSMN4R0-60YS | 60 | 4 | | 100 | 56 |
| | PSMN4R1-60YL | 60 | 4.1 | 4.8 | 100 | 103 |
| | PSMN5R2-60YL | 60 | 5.2 | 6 | 100 | 78.4 |
| | PSMN5R5-60YS | 60 | 5.2 | | 100 | 56 |
| | PSMN5R6-60YL | 60 | 5.6 | 7.2 | 100 | 66.8 |
| | PSMN7R0-60YS | 60 | 6.4 | | 89 | 45 |
| | PSMN7R5-60YL | 60 | 7.5 | 8.7 | 86 | 60.6 |
| | PSMN8R5-60YS | 60 | 8 | | 76 | 39 |
| | PSMN012-60YS | 60 | 11 | | 59 | 28.4 |
| | PSMN013-60YL | 60 | 13 | 15 | 53 | 33.2 |
| | PSMN030-60YS | 60 | 15 | | 29 | 13 |
| PSMN017-60YS | 60 | 16 | | 44 | 20 | |

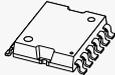
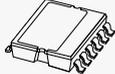
N-channel 40 V - 60 V power MOSFETs

Types in **bold** represent new products
Types in **bold red** are in development

| Package | Type number | V _{DS} [max] (V) | R _{DS(on)} [max] @ V _{GS} = 10 V (mΩ) | R _{DS(on)} [max] @ V _{GS} = 4.5 V or 5 V (mΩ) | I _D [max] (A) | Q _{G(tot)} [typ] (nC) |
|---|----------------------|---------------------------|--|--|--------------------------|--------------------------------|
|  LFPAK56D (SOT1205) | PSMN4R2-40VSH | 40 | 4 | | 53 | 33.2 |
| | PSMN6R8-40HS | 40 | 6.8 | | 29 | 13 |
| | PSMN8R0-40HL | 40 | 8 | 9.4 | 44 | 20 |
| | PSMN8R5-40HS | 40 | 8.5 | | 30 | 21.8 |
| | PSMN014-40HLD | 40 | 13.6 | 16.9 | 42 | 13 |
| | PSMN013-40VLD | 40 | 14 | 17 | 42 | 14 |
| | PSMN9R3-60HS | 60 | 9.3 | | 40 | 34.2 |
| | PSMN013-60HS | 60 | 10 | | 40 | 30.1 |
| | PSMN011-60HL | 60 | 10.7 | 11.5 | 35 | 24.5 |
| | PSMN012-60HL | 60 | 11.2 | 12.5 | 40 | 22.4 |
| | PSMN013-60HL | 60 | 11.2 | 12.5 | 40 | 22.4 |
| PSMN014-60HS | 60 | 14 | | 30 | 23.6 | |
|  LFPAK56-UL2595 (SOT1023A) | PSMN1R0-40ULD | 40 | 1.1 | 1.4 | 280 | 59 |
|  LFPAK33 (SOT1210) | PSMN3R3-40MLH | 40 | 3.3 | 4.2 | 118 | 17 |
| | PSMN3R3-40MSH | 40 | 3.3 | | 118 | 30 |
| | PSMN4R3-40MLH | 40 | 4.3 | 5.5 | 95 | 31 |
| | PSMN4R3-40MSH | 40 | 4.3 | | 95 | 23 |
| | PSMN5R0-40MLH | 40 | 5 | 6.4 | 85 | 28 |
| | PSMN5R0-40MSH | 40 | 5 | | 85 | 21 |
| | PSMN6R7-40MLD | 40 | 6.7 | 8.5 | 50 | 10 |
| | PSMN6R7-40MSD | 40 | 6.7 | | 50 | 16 |
| | PSMN8R5-40MLD | 40 | 8.5 | 11 | 60 | 19 |
| | PSMN8R5-40MSD | 40 | 8.5 | | 60 | 13.4 |
| | PSMN011-60ML | 60 | 11 | 13 | 61 | 37.2 |
| | PSMN011-60MS | 60 | 11 | | 61 | 23 |
|  MLPAK33 (SOT8002) | PXN5R7-60QLA | 60 | 5.7 | 4.5 - 7.98 | 83 | 16.5 |
| | PXN6R2-60QLA | 60 | 6.2 | 4.5 - 8.7 | 77 | 14.1 |
| | PXN6R8-60QLA | 60 | 6.8 | 4.5 - 9.5 | 70 | 12.3 |
| | PXN7R7-60QLA | 60 | 7.7 | 4.5 - 10.8 | 62 | 11 |
| | PXN9R1-60QLA | 60 | 9.1 | 4.5 - 12.7 | 56 | 9.3 |
| | PXN011-60QLA | 60 | 11 | 4.5 - 15.4 | 46 | 7.8 |
| | PXN014-60QLA | 60 | 14 | 4.5 - 19.6 | 39 | 5.9 |
| | PXN012-60QL | 60 | 11.5 | 17.6 | 42 | 9.64 |
|  MLPAK56 (SOT8038) | PXN4R1-60RLA | 60 | 4.1 | | | |
| | PXN5R0-60RLA | 60 | 5 | | | |
| | PXN5R9-60RLA | 60 | 5.9 | | | |
| | PXN7R3-60RLA | 60 | 7.3 | | | |

N-channel 75 V - 200 V power MOSFETs

Types in **bold** represent new products

| Package | Type number | V _{DS} [max] (V) | R _{DS(on)} [max] @ V _{GS} = 10 V (mΩ) | R _{DS(on)} [max] @ V _{GS} = 4.5 V or 5 V (mΩ) | I _D [max] (A) | Q _{C(toe)} [typ] (nC) |
|---|-----------------------|---------------------------|--|--|--------------------------|--------------------------------|
|  D ² PAK (SOT404) | PSMN2R8-80BS | 80 | 3 | | 120 | 139 |
| | PSMN3R3-80BS | 80 | 3.5 | | 120 | 111 |
| | PSMN4R4-80BS | 80 | 4.5 | | 100 | 125 |
| | PSMN5R0-80BS | 80 | 5.1 | | 100 | 101 |
| | PSMN6R5-80BS | 80 | 6.9 | | 100 | 71 |
| | PSMN8R7-80BS | 80 | 8.7 | | 90 | 52 |
| | PSMN012-80BS | 80 | 11 | | 74 | 36 |
| | PSMN017-80BS | 80 | 17 | | 50 | 26 |
| | PSMN3R8-100BS | 100 | 3.9 | | 120 | 170 |
| | PSMN3R7-100BSE | 100 | 3.95 | | 120 | 176 |
| | PSMN4R8-100BSE | 100 | 4.8 | | 120 | 196 |
| | PSMN5R6-100BS | 100 | 5.6 | | 100 | 141 |
| | PSMN7R0-100BS | 100 | 6.8 | | 100 | 125 |
| | PSMN7R6-100BSE | 100 | 7.6 | | 75 | 128 |
| | PSMN8R9-100BSE | 100 | 9.4 | | 108 | 128 |
| | PSMN9R5-100BS | 100 | 9.6 | | 89 | 82 |
| | PSMN013-100BS | 100 | 14 | | 68 | 59 |
| | PSMN016-100BS | 100 | 16 | | 57 | 49 |
| | PSMN027-100BS | 100 | 27 | | 37 | 30 |
| | PSMN034-100BS | 100 | 35 | | 32 | 23.8 |
| PSMN057-200B | 200 | 57 | | 39 | 96 | |
|  CCPAK1212 (SOT8000A) | PSMNR90-80ASF | 80 | 0.85 | | 505 | 309 |
| | PSMNR90-80ASE | 80 | 0.9 | | 495 | 336 |
| | PSMN1R0-100ASF | 100 | 0.99 | | 460 | 359 |
| | PSMN1R0-100ASE | 100 | 1.04 | | 430 | 339 |
| | PSMN1R1-80ASF | 80 | 1.11 | | 385 | 242 |
| | PSMN1R2-80ASE | 80 | 1.18 | | 375 | 233 |
| | PSMN1R3-100ASF | 100 | 1.3 | | 355 | 255 |
| | PSMN1R4-100ASE | 100 | 1.36 | | 340 | 244 |
|  CCPAK1212i (SOT8005A) | PSMNR90-80CSF | 80 | 0.9 | | 505 | 309 |
| | PSMN1R0-80CSE | 80 | 0.95 | | 495 | 336 |
| | PSMN1R0-100CSF | 100 | 1.04 | | 460 | 359 |
| | PSMN1R1-100CSE | 100 | 1.09 | | 430 | 339 |
| | PSMN1R1-80CSF | 80 | 1.16 | | 385 | 242 |
| | PSMN1R2-80CSE | 80 | 1.23 | | 375 | 233 |
| | PSMN1R4-100CSF | 100 | 1.35 | | 355 | 255 |
| | PSMN1R4-100CSE | 100 | 1.42 | | 340 | 244 |
|  LFPAK56E (SOT1023) | PSMN2R6-80YSF | 80 | 2.4 | | 231 | 85 |
| | PSMN3R5-80YSF | 80 | 3.5 | | 150 | 75 |
| | PSMN4R2-80YSE | 80 | 4.2 | | 170 | 73 |
| | PSMN3R9-100YSF | 100 | 4 | | 120 | 80 |
| | PSMN4R8-100YSE | 100 | 4.8 | | 120 | 80 |

N-channel 75 V - 200 V power MOSFETs

Types in **bold** represent new products

| Package | Type number | V _{DS} [max] (V) | R _{DS(on)} [max] @ V _{GS} = 10 V (mΩ) | R _{DS(on)} [max] @ V _{GS} = 4.5 V or 5 V (mΩ) | I _D [max] (A) | Q _{G(tot)} [typ] (nC) |
|--|-----------------------|---------------------------|--|--|--------------------------|--------------------------------|
|  LFPAK56; Power-SQ8 (SOT669) | PSMN3R3-80YSF | 80 | 3.3 | | 160 | 70 |
| | PSMN4R5-80YSF | 80 | 4.5 | | 100 | 60 |
| | PSMN8R2-80YS | 80 | 8.5 | | 82 | 55 |
| | PSMN010-80YL | 80 | 10 | 11 | 84 | 84.7 |
| | PSMN011-80YS | 80 | 11 | | 67 | 45 |
| | PSMN013-80YS | 80 | 12.9 | | 60 | 37 |
| | PSMN014-80YL | 80 | 14 | 15 | 62 | 56.9 |
| | PSMN018-80YS | 80 | 18 | | 45 | 26 |
| | PSMN025-80YL | 80 | 25 | 27 | 37 | 34.3 |
| | PSMN026-80YS | 80 | 28 | | 34 | 20 |
| | PSMN041-80YL | 80 | 41 | 45 | 25 | 21.9 |
| | PSMN045-80YS | 80 | 45 | | 24 | 12.5 |
| | PSMN5R5-100YSF | 100 | 5.6 | | 115 | 64 |
| | PSMN7R2-100YSF | 100 | 6.9 | | 111 | 50 |
| | PSMN8R7-100YSF | 100 | 8.7 | | 100 | 39 |
| | PSMN9R8-100YSF | 100 | 10.2 | | 80 | 34 |
| | PSMN011-100YSF | 100 | 10.9 | | 79.5 | 34.3 |
| | PSMN012-100YL | 100 | 12 | 12 | 85 | 118 |
| | PSMN012-100YS | 100 | 12 | | 60 | 64 |
| | PSMN012-100YSF | 100 | 11.8 | | 65 | 29 |
| | PSMN013-100YSE | 100 | 13 | | 82 | 75 |
| | PSMN015-100YL | 100 | 15 | 15 | 69 | 86.3 |
| | PSMN015-100YSF | 100 | 15.5 | | 55 | 24 |
| | PSMN016-100YS | 100 | 16 | | 51 | 54 |
| | PSMN019-100YL | 100 | 19 | 19 | 56 | 72.4 |
| | PSMN021-100YL | 100 | 21 | 22 | 49 | 65.6 |
| | PSMN020-100YS | 100 | 21 | | 43 | 41 |
| | PSMN028-100YS | 100 | 28 | | 42 | 33 |
| | PSMN038-100YL | 100 | 38 | 38 | 30 | 39.2 |
| | PSMN039-100YS | 100 | 39 | | 28.1 | 23 |
| | PSMN069-100YS | 100 | 72 | | 17 | 14 |
| | PSMN059-150Y | 150 | 59 | | 43 | 27.9 |
| PSMN102-200Y | 200 | 102 | | 21.5 | 30.7 | |
|  LFPAK56D (SOT1205) | PSMN025-100HS | 100 | 24.5 | | 29.5 | 38.1 |
| | PSMN029-100HL | 100 | 27.0 | 29.0 | 30 | 29.6 |
| | PSMN028-100HS | 100 | 27.5 | | 29 | 34.0 |
| | PSMN033-100HL | 100 | 31 | 33 | 26 | 27.3 |
| | PSMN038-100HS | 100 | 37.6 | | 21.4 | 25.9 |
| PSMN045-100HL | 100 | 42 | 45 | 21 | 18.5 | |
|  LFPAK33 (SOT1210) | PSMN040-100MSE | 100 | 37 | | 30 | 30 |
| | PSMN075-100MSE | 100 | 71 | | 18 | 16.4 |

N-channel 75 V - 200 V power MOSFETs

Types in **bold** represent new products
Types in **bold red** are in development

| Package | Type number | V _{DS} [max] (V) | R _{DS(on)} [max] @ V _{GS} = 10 V (mΩ) | R _{DS(on)} [max] @ V _{GS} = 4.5 V or 5 V (mΩ) | I _D [max] (A) | Q _{C(tot)} [typ] (nC) |
|---|-----------------------|---------------------------|---|---|--------------------------|--------------------------------|
|  LFPAK88 (SOT1235) | PSMN1R3-80SSF | 80 | 1.2 | | 335 | 164 |
| | PSMN1R8-80SSF | 80 | 1.8 | | 270 | 148 |
| | PSMN1R9-80SSE | 80 | 1.9 | | 286 | 155 |
| | PSMN1R9-80SSJ | 80 | 1.9 | | | |
| | PSMN2R3-80SSF | 80 | 2.3 | | 240 | 123 |
| | PSMN2R5-80SSE | 80 | 2.5 | | 225 | 116 |
| | PSMN2R8-80SSF | 80 | 3 | | 205 | 95 |
| | PSMN2R0-100SSF | 100 | 2.07 | | 267 | 161 |
| | PSMN2R3-100SSE | 100 | 2.28 | | 255 | 161 |
| | PSMN2R3-100SSJ | 100 | 2.3 | | | |
| | PSMN2R9-100SSE | 100 | 2.9 | | 385 | 125 |
| | PSMN2R6-100SSF | 100 | 2.6 | | 200 | 127 |
| | PSMN3R3-100SSF | 100 | 3.3 | | 180 | 106 |
|  MLPAK33 (SOT8002-2) | PXN011-100QL | 100 | 11 | | 56 | 18 |
| | PXN011-100QS | 100 | 11 | | 56 | 25 |
| | PXN012-100QL | 100 | 12 | | 50 | 14 |
| | PXN012-100QS | 100 | 12 | | 50 | 22 |
| | PXN020-100QS | 100 | 20 | | 31 | 13 |
| | PXN028-100QL | 100 | 28 | | 24 | 7 |
| | PXN040-100QS | 100 | 40 | | 17 | 6.6 |
|  MLPAK56 (SOT8038) | PXN2R8-100RL | 100 | 2.8 | 4.5 - 3.4 | 184 | 51 |
| | PXN2R9-100RS | 100 | 2.9 | 4.5 | 180 | 74 |
|  DFN2020M-6 (SOT1220-2) | PSMN047-100NSE | 100 | 53.4 | | 18 | 9 |
| | PSMN071-100NSE | 100 | 82.3 | | 10 | 7 |

Premium & application specific MOSFETs nomenclature

PSM N R51 - 25 Y L H

Segment
PSM = Power Silicon Max

Channel
N = N-channel
P = P-channel
X = Dual
C = Complementary

R_{DS(on)} in mΩ
R51 means 0.51 mΩ max at 25 °C
1R7 means 1.7 mΩ max at 25 °C
130 means 130 mΩ max at 25 °C

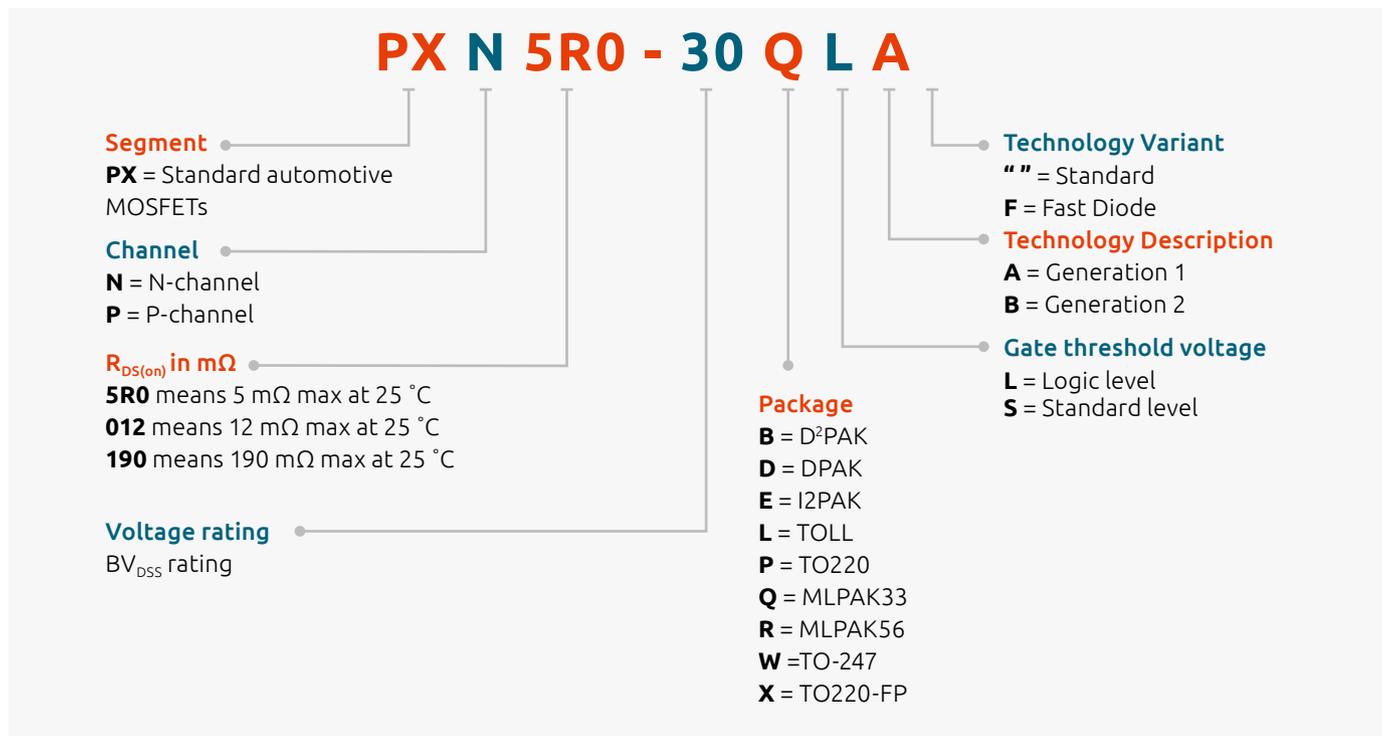
Voltage rating
BV_{DSS} rating

Package type
A = CCPAK1212
B = D2PAK
C = CCPAK1212i
E = I2PAK
H = LFPAK56D
M = LFPAK33
N = DFN2020-2
P = TO-220
Q = MLPAK33
R = MLPAK56
S = LFPAK88
U = LFPAK56-UL2595
V = LFPAK56D half-bridge
Y = LFPAK56/E

Technology family, e.g.
B = NextPowerS3 optimized for EMC
C = NextPower
D = NextPowerS3 (Super-fast switching with soft recovery)
E = ASFETs for Hotswap or PoE
F = NextPower 60/80/100/150 V
H = NextPowerS3 (Very low R_{DS(on)})
J = ASFETs for Current Sharing
N = NextPowerS3 improved R_{DS(on)} & EMC performance

Gate threshold voltage
E = Enhanced logic
L = Logic level
S = Standard level
U = Ultra low gate
X = Extremely low gate

Standard MOSFETs nomenclature



P-channel power MOSFETs

Types in **bold** represent new products

| Package | Type number | V _{DS} [max] (V) | R _{DS(on)} [max] @ 10 V (m Ω) | I _D [max] @ 25 °C (A) | R _{th(j-mb)} [max] (K/W) |
|---|---------------------|------------------------------|---|-------------------------------------|--------------------------------------|
|  LFAK56 (Power-SO8) | PSMP033-60YE | 60 | 33 | 38 | 1.4 |
| | PSMP061-60YE | | 61 | 22 | 2.3 |
|  MLPAK33 (SOT8002-2) | PXP3R7-12QU | 12 | | 31 | |
| | PXP8R3-20QX | 20 | 8 | 20 | |
| | PXP011-20QX | | 11 | 17 | |
| | PXP018-20QX | | 18 | 14 | |
| | PXP020-20QX | | | 12 | |
| | PXP6R1-30QL | 30 | 6 | 22 | |
| | PXP6R7-30QL | | 7 | 21 | |
| | PXP9R1-30QL | | 9 | 18 | |
| | PXP012-30QL | | 12.8 | 15 | |
| | PXP013-30QL | | 13 | 15 | |
| | PXP015-30QL | | 15.8 | 12.8 | |
| | PXP400-100QS | 100 | 400 | 1.4 | 12 |
| | PXP1500-100QS | | 1500 | 0.7 | 20.5 |
| | PXP700-150QS | 150 | 700 | 1 | 7.7 |

Small-signal MOSFETs in DFN0603, DFN0606, DFN1006 packages

| Package | | | | | | | | | | DFN0603 (SOT8013) | DFN0606-3 (SOT8001) | DFN1006-3 (SOT883) | DFN1006B-3 (SOT883B) | | | | | | | |
|-----------------------|------------------------|------------------------|-----------------------|-----------------------------------|-----------------------------------|--------------------------------|---------------------------------|-------------------------------|---------------------------|---|---|---|---|----------|------------|------------|------------|------------|-------------|--|
| | | | | | | | | | |  |  |  |  | | | | | | | |
| Size (mm) | | | | | | | | | | 0.63 x 0.33 x 0.25 | 0.6 x 0.6 x 0.37 | 1.0 x 0.6 x 0.48 | 1.0 x 0.6 x 0.37 | | | | | | | |
| P _{tot} (mW) | | | | | | | | | | 300 | 250 | 250 | 250 | | | | | | | |
| Polarity | V _{DS} (V) | V _{CS} (V) | I _D (A) | V _{GS(th)} min (V) | V _{GS(th)} max (V) | t _{on} typ (ns) | t _{off} typ (ns) | Q _G typ (nC) | ESD protection (kV) | R _{DS(on)} typ (mΩ) @ V _{CS} = | | | | | | | | | | |
| | | | | | | | | | | 10 V | 4.5 V | 2.5 V | 1.8 V | 1.5 V | 1.2 V | | | | | |
| N-channel | 20 | 8 | 1.9 | 0.45 | 0.95 | 5.3 | 16 | 1.6 | 2 | - | 120 | 160 | 210 | 270 | - | | | PMZ130UNE | | |
| | | | | 0.5 | 0.9 | | | | | 2 | | 130 | | | | | PMX100UNE | | | |
| | | | 1.6 | 0.45 | 0.95 | 5.3 | 16 | 1.6 | 2 | - | 170 | 200 | 240 | 300 | - | | | | PMZB150UNE | |
| | | | 1 | 0.5 | 0.95 | 6 | 86 | 0.45 | 2 | - | 270 | 360 | 470 | 600 | - | | | PMZ290UNE2 | PMZB290UNE2 | |
| | | | 1.2 | 0.45 | 0.95 | 1 | 4 | 0.18 | 1.8 | - | 310 | 420 | - | - | - | | PMH260UNE | | | |
| | | | 0.9 | 0.45 | 0.95 | 1 | 4 | 0.15 | 1.7 | - | 460 | 575 | - | - | - | | PMH400UNE | | | |
| | | | 0.8 | 0.45 | 0.95 | 5.6 | 19 | 0.4 | 1 | - | 470 | 620 | 845 | 1125 | 2210 | | PMH600UNE | | | |
| | | | 0.6 | 0.45 | 0.95 | 5.6 | 19 | 0.4 | 1 | - | 470 | 620 | 845 | 1125 | 2210 | | | PMZ600UNE | PMZB600UNE | |
| | 12 | 1.3 | 0.5 | 0.9 | 1 | 4 | 0.4 | | | 122 | 230 | 360 | | | PMX100UN | | | | | |
| | 30 | 8 | 1.5 | 0.45 | 0.95 | 5 | 17 | 1.6 | 2 | - | 210 | 240 | 270 | 300 | - | | | PMZ200UNE | PMZB200UNE | |
| | | | | 0.5 | 0.9 | | | | | 2 | | 360 | | | | | PMX300UNE | | | |
| | | | 1 | 0.45 | 0.95 | 4 | 12 | 0.8 | 2 | - | 390 | 460 | 30 | 610 | - | | | PMZ390UNE | PMZB390UNE | |
| | | | 0.77 | 0.45 | 0.95 | 4 | 12 | 0.6 | 2 | - | 550 | 660 | 770 | 890 | - | | PMH550UNE | | | |
| | | | 0.59 | 0.45 | 0.95 | 4 | 12 | 0.6 | 2 | - | 550 | 660 | 770 | 890 | - | | | PMZ550UNE | PMZB550UNE | |
| 50 | 8 | 0.35 | 0.4 | 0.9 | 1 | 5 | 0.11 | 2 | - | 2800 | 3000 | - | - | - | | NX5008NBKH | | | | |
| | | 0.35 | 0.4 | 0.9 | 3 | 17 | 0.1 | 2 | - | 2800 | 3000 | - | - | - | | | NX5008NBKM | | | |
| 60 | 20 | 0.26 | 0.8 | 1.5 | 1 | 3 | 0 | | | 3 | | 4 | | | | | NX138AKH | | | |
| | | 0.27 | 0.8 | 1.5 | 1 | 3 | 0 | | | 3 | | 4 | | | | | | NX138AKM | | |
| | | 0.3 | 1 | 2.5 | 1 | 7 | 1 | | | 680 | 760 | | | | | PMX700EN | | | | |
| | | 0.5 | 1 | 2.5 | 2 | 20 | 0.1 | | | 800 | 870 | | | | | PMX800ENE | | | | |
| | | 0.45 | 1.1 | 2.1 | 5 | 12 | 0.5 | 2 | 1000 | 1300 | - | - | - | - | | | 2N700BKM | 2N7002BKMB | | |
| | | 0.35 | 1.1 | 2.1 | 4.7 | 6.9 | 1 | 2 | 2200 | 2500 | - | - | - | - | | NX7002BKH | | | | |
| | | 0.35 | 1.1 | 2.1 | 4.7 | 6.9 | 1 | 2 | 2200 | 2500 | - | - | - | - | | | NX7002BKM | NX7002BKMB | | |
| | | 0.38 | 0.5 | 1.5 | 7.9 | 12.5 | 0.1 | 2 | 2300 | 2900 | 4800 | - | - | - | | NX138BKH | | | | |
| | | 0.38 | 0.5 | 1.5 | 7.9 | 12.5 | 0 | 2 | 2300 | 2900 | 4800 | - | - | - | | | NX138BKM | | | |
| P-channel | 20 | 8 | 1.4 | 0.45 | 0.95 | 4 | 26 | 1.3 | 1.8 | - | 330 | 420 | 520 | - | - | | | PMZ350UPE | PMZB350UPE | |
| | | | | 0.5 | 0.9 | | | | | 2 | | 430 | | | | | PMX400UPE | | | |
| | | | 0.8 | 0.45 | 0.95 | 2 | 5 | 0 | 1.8 | - | 640 | 930 | - | - | - | | PMH550UPE | | | |
| | | | 0.53 | 0.45 | 0.95 | 2.3 | 13.5 | 1.19 | 1 | - | 1020 | 1270 | 1700 | 2300 | 3500 | | PMH950UPE | | | |
| | | | 0.5 | 0.45 | 0.95 | 2.3 | 13.5 | 1.19 | 1 | - | 1020 | 1270 | 1700 | 2300 | 3500 | | | PMZ950UPE | PMZB950UPE | |
| | 12 | 0.9 | 0.5 | 0.9 | 1.5 | 7 | 0.4 | | | 334 | 298 | 490 | | | PMX400UP | | | | | |
| | 30 | 8 | 1 | 0.45 | 0.95 | 2.9 | 22 | 1.45 | 2 | - | 430 | 470 | 750 | 950 | - | | | PMZ320UPE | PMZB320UPE | |
| | | | | 0.5 | 0.9 | | | | | 2 | | 680 | | | | | PMX800UPE | | | |
| | | | 0.6 | 0.45 | 0.95 | 6 | 2 | 0.14 | 1.8 | - | 1000 | 1700 | - | - | - | | PMH850UPE | | | |
| | | | 0.41 | 0.45 | 0.95 | 3 | 14 | 0.7 | 2 | - | 1200 | 1700 | 2100 | 3000 | - | | | PMZ1200UPE | PMZB1200UPE | |
| 10 | 0.52 | 0.45 | 0.95 | 3 | 14 | 0.7 | 2 | - | 1200 | 1700 | 2100 | 3000 | - | | PMH1200UPE | | | | | |
| 50 | 20 | 0.23 | 1.1 | 2.1 | 13 | 48 | 0.26 | 1 | 4500 | 5700 | - | - | - | | | BSS84AKM | BSS84AKMB | | | |

Small-signal MOSFETs in DFN1010D-3 single and DFN1010B-3 dual packages

| Package | | | | | | | | | | | | | | DFN1010D-3 (SOT1215) | DFN1010B-6 (SOT1216) | | | | |
|-----------------------|-----------|---------------------|---------------------|--------------------|-----------------------------|-----------------------------|--------------------------|---------------------------|-------------------------|---------------------|--|-------|-------|---|---|-------------|-------------|-------------|--|
| | | | | | | | | | | | | | |  |  | | | | |
| Size (mm) | | | | | | | | | | | | | | 1.1 x 1.0 x 0.37 | 1.1 x 1.0 x 0.37 | | | | |
| P _{tot} (mW) | | | | | | | | | | | | | | 1000 | 350 | | | | |
| Configuration | Polarity | V _{DS} (V) | V _{GS} (V) | I _D (A) | V _{GS(th)} min (V) | V _{GS(th)} max (V) | t _{on} typ (ns) | t _{off} typ (ns) | Q _c typ (nC) | ESD protection (kV) | R _{DS(on)} typ (mΩ) @ V _{GS} = | | | | | | | | |
| | | | | | | | | | | | 10 V | 4.5 V | 2.5 V | 1.8 V | 1.5 V | 1.2 V | | | |
| Single | N-channel | 12 | 8 | 3.2 | 0.4 | 0.9 | 6 | 18 | 6.6 | 1 | - | 34 | 39 | 46 | 50 | 121 | PMXB40UNE | | |
| | | 20 | | 3.2 | 0.5 | 0.9 | 6 | 17 | 5.7 | 1 | - | 42 | 48 | 56 | 64 | - | PMXB43UNE | | |
| | | 30 | 20 | 3.2 | 1 | 2 | 3 | 11 | 3.6 | - | 49 | 56 | - | - | - | - | PMXB56EN | | |
| | | | | 3.2 | 1 | 2.5 | 3 | 11 | 6 | 1 | 44 | 56 | - | - | - | - | PMXB65ENE | | |
| | 80 | | 1.1 | 1.3 | 2.7 | 2 | 9 | 3 | 2 | 345 | 390 | - | - | - | - | PMXB360EAEA | | | |
| | P-channel | 12 | 8 | 3.2 | 0.4 | 1 | 6.2 | 27 | 6.7 | 1.5 | - | 59 | 78 | 120 | 198 | 880 | PMXB65UPE | | |
| | | 20 | | 2.9 | 0.4 | 1 | 6 | 29 | 6.8 | 1 | - | 69 | 86 | 130 | 205 | 950 | PMXB75UPE | | |
| | | 30 | 20 | 1.2 | 0.45 | 0.95 | 3 | 18 | 1.25 | 1.5 | - | 350 | 450 | 600 | 760 | 1200 | PMXB350UPE | | |
| 2.4 | | | | 1 | 2.5 | 4 | 16 | 6.2 | 1 | 100 | 125 | - | - | - | - | PMXB120EPE | | | |
| Dual | N-ch | 20 | 8 | 0.93 | 0.5 | 1 | 1 | 5 | 0.6 | 2 | - | 270 | 360 | 470 | 600 | - | PMDXB290UNE | | |
| | | | | 0.6 | 0.45 | 0.95 | 5.6 | 19 | 0.4 | 1 | - | 470 | 620 | 845 | 1125 | 2210 | - | PMDXB600UNE | |
| | | 30 | | 0.59 | 0.45 | 0.95 | 4 | 12 | 0.6 | 2 | - | 550 | 660 | 770 | 890 | - | PMDXB550UNE | | |
| | | 60 | 20 | 0.26 | 1.1 | 2.1 | 4.7 | 6.9 | 1 | 2 | 2200 | 2500 | - | - | - | - | PMDXB590UPE | | |
| | P-ch | 20 | | 0.5 | 0.45 | 0.95 | 2.3 | 13.5 | 1.19 | 1 | - | 1020 | 1270 | 1700 | 2300 | 3500 | - | PMCXB290UE | |
| | | 30 | | 0.41 | 0.45 | 0.95 | 3 | 14 | 0.7 | 2 | - | 1200 | 1700 | 2100 | 3000 | - | - | | |
| Complementary | N | 20 | 8 | 0.6 | 0.45 | 0.95 | 5.6 | 19 | 0.4 | 1 | - | 470 | 620 | 845 | 1125 | 2210 | - | PMCXB900UE | |
| | P | | | 0.5 | 0.45 | 0.95 | 2.3 | 13.5 | 1.19 | 1 | - | 1020 | 1270 | 1700 | 2300 | 3500 | - | - | |
| | N | 30 | 8 | 0.59 | 0.45 | 0.95 | 4 | 12 | 0.6 | 2 | - | 550 | 660 | 770 | 890 | - | - | | |
| | P | | | 0.41 | 0.45 | 0.95 | 3 | 14 | 0.7 | 2 | - | 1200 | 1700 | 2100 | 3000 | - | PMCXB1000UE | | |

MOSFETs

Small-signal MOSFETs in DFN2020MD-6 single and DFN2020-6 dual packages

Types in **bold** represent new products

| Package | | | | | | | | | | | | | | DFN2020MD-6 (SOT1220) | DFN2020M-6 (SOT1220-2) | | | |
|-----------------------|-----------|---------------------|---------------------|--------------------|-----------------------------|-----------------------------|--------------------------|---------------------------|-------------------------|---------------------|--|-------|-------|---|---|-------------|------------|-------------|
| | | | | | | | | | | | | | |  |  | | | |
| Size (mm) | | | | | | | | | | | | | | 2.0 x 2.0 x 0.65 | 2.0 x 2.0 x 0.65 | | | |
| P _{tot} (mW) | | | | | | | | | | | | | | 1250 | 1250 | | | |
| Configuration | Polarity | V _{DS} (V) | V _{GS} (V) | I _D (A) | V _{GS(th) min} (V) | V _{GS(th) max} (V) | t _{on} typ (ns) | t _{off} typ (ns) | Q _G typ (nC) | ESD protection (kV) | R _{DS(on)} typ (mΩ) @ V _{GS} = | | | | | | | |
| | | | | | | | | | | | 10 V | 4.5 V | 2.5 V | 1.8 V | | | | |
| Single | N-channel | 20 | 8 | 13 | 0.4 | 0.9 | 5 | 31 | 20 | | | 4.9 | 8 | 14.9 | PMPB4R6UN | | | |
| | | | | 10.1 | 0.4 | 0.9 | 5 | 31 | 20 | | | 9 | 10 | 16 | PMPB8XN | | | |
| | | | | 11.4 | 0.4 | 0.9 | 10 | 32 | 10.9 | 1 | - | 16 | 20 | 20 | PMPB12UNE | | | |
| | | | | 12.9 | 0.4 | 0.9 | 13 | 54 | 23 | 2.2 | - | 10 | 12 | 16 | PMPB10XNE | | | |
| | | | | 5.9 | 0.75 | 1.25 | 16 | 49 | 31 | 2 | - | 14 | 20 | - | PMPB20XNEA | | | |
| | | | | 10.4 | 0.4 | 0.9 | 9 | 31 | 13.4 | - | - | 18 | 21 | 23 | PMPB15XN | | | |
| | | | 10.1 | 0.4 | 0.9 | 9 | 31 | 11.6 | 2 | - | 19 | 23 | 31 | PMPB23XNE | | | | |
| | | | 12 | 16.4 | 0.4 | 0.9 | 5 | 31 | 20 | - | - | 7 | 8.5 | 14.5 | | PMPB07R0UN | | |
| | | | 8 | 13.5 | 0.4 | 0.9 | 6 | 33 | 6 | - | - | 13 | 16 | - | PMPB10XN | | | |
| | | | | 11.3 | 0.4 | 0.9 | 12 | 54 | 24 | 1 | - | 13 | 14 | 17 | PMPB13XNE | | | |
| | | | | 5 | 0.4 | 0.9 | 8 | 33 | 12.4 | 1 | - | 28 | 32 | 37 | PMPB29XNE | | | |
| | | | | 5.5 | 0.45 | 1.2 | 6 | 21 | 5.1 | - | - | 37 | 55 | - | PMPB33XN | | | |
| | | 14 | | 1 | 2 | 9 | 17 | 13.7 | - | - | 10 | 13 | - | PMPB10EN | | | | |
| | | 13 | | 1 | 2 | 9 | 17 | 13.7 | - | - | 12 | 14 | - | PMPB11EN | | | | |
| | | 10.4 | | 1 | 2 | 9 | 9 | 7.2 | - | - | 16.5 | 20.5 | - | PMPB20EN | | | | |
| | | 10 | | 1 | 2.5 | 6 | 28 | 13 | 2 | - | 17 | 28 | - | PMPB25ENE | | | | |
| | | 6.9 | | 1 | 2.5 | 4 | 17 | 6 | 2 | - | 30 | 39 | - | PMPB50ENE | | | | |
| | | 5.1 | | 1 | 2.5 | 3 | 15 | 3.5 | 2 | - | 54 | 70 | - | PMPB100ENE | | | | |
| | | 30 | | 12 | 17 | 0.5 | 1 | 6 | 31 | 22 | - | - | 6.4 | 9.3 | 26 | | PMPB06R3XN | |
| | | | | | 15 | 0.4 | 0.9 | 4 | 18 | 8.2 | - | - | - | - | - | | PMPB07R3XN | |
| | | | 15 | | 1 | 1 | 6 | 31 | 7 | - | - | 9 | 12 | 26 | | PMPB08R5XN | | |
| | | | 13 | | 0.4 | 0.9 | 4 | 18 | 8.1 | - | - | 9.1 | 11.1 | 14.6 | | PMPB09R1XN | | |
| | | | 13 | | 0.4 | 0.9 | 3 | 16 | 6.6 | - | - | 10.3 | 12.5 | 16.1 | | PMPB10R3XN | | |
| | | | 10 | | 0.4 | 0.9 | 3 | 10 | 4.3 | - | - | 13.7 | 17.5 | 24 | | PMPB13R6XN | | |
| | | | 8 | 10 | 0.4 | 0.9 | 3 | 10 | 4.3 | - | - | 14.8 | 18.4 | 24.6 | | PMPB14R8XN | | |
| | | | | 10 | 0 | 0.9 | 8 | 33 | 2.1 | - | - | 17 | 20 | 27 | | PMPB16R5XNE | | |
| | | | | 19 | 1.2 | 2.2 | 3 | 16 | 15 | - | - | 5.4 | 7.3 | - | | PMPB05R4EN | | |
| | | | | 18 | 1 | 1.7 | 3 | 13 | 1.6 | - | - | 6.2 | 8 | - | | PMPB06R2EN | | |
| | | | | 17 | 1 | 1.7 | 3 | 13 | 1.6 | - | - | 7 | 9 | - | | PMPB07R3EN | | |
| | | | | 15 | 1 | 2 | 9 | 17 | 1.7 | - | - | 9 | 11 | - | | PMPB08R6EN | | |
| | | 40 | 8 | 11.5 | 0 | 0.9 | 5 | 35 | 5.6 | - | - | 18 | 22 | - | PMPB14XN | | | |
| | | 60 | 20 | 4 | 1.3 | 2.7 | 4.5 | 13.5 | 7.5 | 2 | 42 | 48 | - | - | PMPB55ENE | | | |
| | | 80 | 20 | 3 | 1.3 | 2.7 | 4 | 10.5 | 6.2 | 2 | 72 | 85 | - | - | PMPB85ENE | | | |
| | | | | 2.8 | 1.3 | 2.7 | 5 | 15 | 9.9 | 2 | 80 | 92 | - | - | PMPB95ENE | | | |
| | | | | 1.9 | 1.3 | 2.7 | 3.5 | 9.5 | 4.8 | 2 | 175 | 195 | - | - | PMPB215ENE | | | |
| | | P-channel | 12 | 8 | 17.5 | 0.47 | 0.9 | 3 | 201 | 7.4 | - | - | 7 | 9.2 | 12 | | PMPB07R3VP | |
| | | | | | 16.7 | 0.47 | 0.9 | 4 | 149 | 7.6 | - | - | 8 | 11.5 | 16 | | PMPB08R4VP | |
| | | | | | 14 | 0.4 | 0.9 | 7 | 69 | 8.3 | - | - | 11 | 15.2 | 22 | | PMPB11R2VP | |
| | | | | | 13 | 0.4 | 0.9 | 7 | 69 | 26 | - | - | 13 | 17 | 24 | | PMPB13UP | |
| | | | | | 12.7 | 0.45 | 0.9 | 6 | 64 | 22 | - | - | 14 | 19 | 24 | | PMPB14XP | |
| | | | | | 15 | 0.4 | 0.9 | 6 | 86 | 10 | - | - | 10 | 13 | 20 | | PMPB09R5VP | |
| | | | | 12 | 11.8 | 0.47 | 0.9 | 18 | 85 | 67 | - | - | 15 | 17 | | | PMPB15XP | |
| | | | | 20 | 8 | 0.45 | 0.9 | - | - | - | - | - | - | 13 | 17 | | | PMPB12R5UPE |
| | | | | | | 20 | 8 | 0.9 | - | - | - | - | - | 16 | 22 | | | PMPB19R0UPE |
| | | | | | | 12 | 0.47 | 0.9 | 16 | 43 | 28.8 | - | - | 19 | 21 | 27 | | PMPB19XP |
| | | | | | 10.3 | 0.47 | 0.9 | 13 | 92 | 30 | 2.4 | - | 19 | 22 | 28 | | PMPB20XPE | |
| | | | | | 5 | 0.47 | 0.9 | 12 | 91 | 30 | 2.3 | - | 28 | 31 | 36 | | PMPB29XPE | |
| | | | 8.5 | | 0.75 | 1.25 | 10 | 43 | 12.5 | 2 | - | 29 | 45 | - | | PMPB30XPE | | |
| | | | 7.9 | 0.47 | 0.9 | 12 | 62 | 15 | - | - | 30 | 35 | 45 | | PMPB33XP | | | |
| | | | 12 | 5 | 0.47 | 0.9 | 15 | 28 | 14 | - | - | 47 | 54 | 74 | | PMPB47XP | | |
| 30 | 20 | | 12 | 1 | - | 3 | 60 | 6.2 | - | - | 14.5 | 19 | | | PMPB14R7EP | | | |
| | | | 20 | 1 | 2.5 | 3 | 67 | - | - | 12.7 | 16 | - | | PMPB12R7EP | | | | |
| | | | 12 | 1 | 2 | 2 | 145 | 5 | - | - | 14 | 18 | - | | PMPB14R0EP | | | |
| | | | 13 | 1 | 2 | 2 | 121 | 5 | - | - | 12.5 | 16 | - | | PMPB12R5EP | | | |
| | 11 | | 1 | 2.5 | 3 | 47 | 31 | - | - | 17.5 | 24 | - | | PMPB17EP | | | | |
| | 6.8 | | 1 | 2.5 | 7.4 | 27 | 17 | - | - | 40 | 55 | - | - | PMPB48EP | | | | |
| | 25 | | 10.6 | 1 | 2.5 | 3 | 60 | 29 | - | - | 16 | 22 | - | - | PMPB16EP | | | |

Small-signal MOSFETs in DFN2020MD-6 single and DFN2020-6 dual packages

| Package | | | | | | | | | | | | | | DFN2020-6 (SOT1118) | | | | | | | | | | | | | |
|-----------------------|-----------|---------------------|---------------------|--------------------|-----------------------------|-----------------------------|--------------------------|---------------------------|-------------------------|---------------------|--|-------|-------|---|-------------|----|------------|------|------|-----|-----|---|---|----|----|-----|------------|
| | | | | | | | | | | | | | |  | | | | | | | | | | | | | |
| Size (mm) | | | | | | | | | | | | | | 2.0 x 2.0 x 0.65 | | | | | | | | | | | | | |
| P _{tot} (mW) | | | | | | | | | | | | | | 1250 | | | | | | | | | | | | | |
| Configuration | Polarity | V _{DS} (V) | V _{GS} (V) | I _D (A) | V _{GS(th) min} (V) | V _{GS(th) max} (V) | t _{on} typ (ns) | t _{off} typ (ns) | Q _G typ (nC) | ESD protection (kV) | R _{DS(on)} typ (mΩ) @ V _{GS} = | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 10 V | 4.5 V | 2.5 V | 1.8 V | | | | | | | | | | | | | |
| Dual | N-ch | 20 | 12 | 5.3 | 0.4 | 0.9 | 4 | 40 | 14.4 | - | - | 32 | 40 | 60 | PMDPB30XN | | | | | | | | | | | | |
| | | 30 | 12 | 3.1 | 0.75 | 1.25 | 9 | 19 | 2.9 | 2 | - | 55 | 72 | - | PMDPB56XNEA | | | | | | | | | | | | |
| | | | | 0.5 | 1.5 | 6 | 18 | 1.65 | 1.8 | - | 95 | 130 | - | PMDPB95XNE2 | | | | | | | | | | | | | |
| | P-channel | 20 | 8 | 4.5 | 0.45 | 0.95 | 7 | 41 | 6.3 | 2 | - | 58 | 74 | 97 | PMDPB58UPE | | | | | | | | | | | | |
| | | | | 3.7 | 0.45 | 0.95 | 6 | 47 | 5.4 | 2 | - | 82 | 107 | 142 | PMDPB85UPE | | | | | | | | | | | | |
| | | 12 | 4.5 | 0.47 | 0.9 | 4 | 135 | 16.5 | - | - | 55 | 75 | 110 | - | - | - | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | 4.2 | 0.75 | 1.25 | 7 | 33 | 5 | 2 | - | 66 | 98 | PMDPB70XPE |
| | | | | | | | | | | | | | | | | | 0.4 | 1 | 6 | 120 | 5.7 | - | - | 80 | 95 | 120 | PMDPB80XP |
| | | 30 | 12 | 3.8 | 0.45 | 1 | 3 | 112 | 5.2 | - | - | 70 | 89 | - | PMDPB70XP | | | | | | | | | | | | |
| | | Complementary | N | 20 | 12 | 5.3 | 0.4 | 0.9 | 4 | 40 | 14.4 | - | - | 26 | 33 | 50 | PMCPB5530X | | | | | | | | | | |
| P | 20 | | 12 | 4.5 | 0.4 | 0.9 | 4 | 40 | 8.1 | - | - | 55 | 75 | 110 | | | | | | | | | | | | | |

MOSFETs

Small-signal MOSFETs in DSN and WLCSP packages

| Package | | | | | | | | | | | | | | WLCSP4 | WLCSP6 | DSN1010-3 | DSN1006-3 | | |
|-----------------------|----------|---------------------|---------------------|--------------------|-----------------------------|-----------------------------|--------------------------|---------------------------|-------------------------|---------------------|--|-------|-------|---|---|---|---|----------|--|
| | | | | | | | | | | | | | |  |  |  |  | | |
| Size (mm) | | | | | | | | | | | | | | 0.78 x 0.78 x 0.35 | 1.48 x 0.98 x 0.35 | 0.96 x 0.96 x 0.24 | 1.0 x 0.6 x 0.2 | | |
| P _{tot} (mW) | | | | | | | | | | | | | | 1300 | 1300 | 2500 | | | |
| Configuration | Polarity | V _{DS} (V) | V _{GS} (V) | I _D (A) | V _{GS(th) min} (V) | V _{GS(th) max} (V) | t _{on} typ (ns) | t _{off} typ (ns) | Q _G typ (nC) | ESD protection (kV) | R _{DS(on)} typ (mΩ) @ V _{GS} = | | | | | | | | |
| | | | | | | | | | | | 4.5 V | 2.5 V | 1.8 V | 1.5 V | | | | | |
| Single | N | 12 | 8 | 14 | 0.4 | 0.9 | 3 | 16 | 8 | - | 13 | 16 | 22 | - | | | PMCA14UN | | |
| | | | | 6 | 0.4 | 0.9 | 6.3 | 30 | 6 | 2 | 36 | 46 | 60 | 86 | PMCM4401VNE | | | | |
| | | 20 | 8 | 5.4 | 0.4 | 0.9 | 4 | 27 | 6 | 2 | 43 | 55 | 65 | 75 | PMCM4401UNE | | | | |
| | | | | 30 | 12 | 4.8 | 0.6 | 1.1 | 2 | 5 | 1 | | 40 | 48 | 65 | | | PMCB60XN | |
| | | 0.6 | 1.1 | | | | | 2 | 40 | 49 | | | | | | PMCB60XNE | | | |
| | P | 12 | 8 | 4.9 | 0.4 | 0.9 | 4.8 | 25.1 | 6.8 | 2 | 55 | 77 | 110 | - | PMCM4401VPE | | | | |
| | | | | 4 | 0.4 | 0.9 | 4 | 31 | 5.9 | 2 | 75 | 95 | 130 | - | PMCM4401UPE | | | | |
| | | 20 | 8 | 4.2 | 0.4 | 0.9 | 4 | 26 | 6 | 2 | 65 | 88 | 120 | - | PMCM4402UPE | | | | |
| | N | 12 | 8 | 9.6 | 0.4 | 0.9 | 10.8 | 97.5 | 16.1 | 2 | 15 | 18 | 22 | 30 | | PMCM6501VNE | | | |
| | | | | 8.7 | 0.4 | 0.9 | 7 | 100 | 19 | 2 | 17 | 20 | 22 | 30 | | PMCM6501UNE | | | |
| P | | 12 | 8 | 8.2 | 0.4 | 0.9 | 8 | 72 | 19.6 | 2 | 19 | 25 | 37 | - | | PMCM6501VPE | | | |

Small-signal MOSFETs

Small-signal MOSFETs single (N-channel)

| Package | | | | | | | | | | | | | |
|-----------------------|---------------------|--------------------|-----------------------------|-----------------------------|--------------------------|---------------------------|-------------------------|---------------------|--|-------|-------|-------|--|
| Size (mm) | | | | | | | | | | | | | |
| P _{tot} (mW) | | | | | | | | | | | | | |
| V _{DS} (V) | V _{GS} (V) | I _D (A) | V _{GS(th)} min (V) | V _{GS(th)} max (V) | t _{on} typ (ns) | t _{off} typ (ns) | Q _G typ (nC) | ESD protection (kV) | R _{DS(on)} typ (mΩ) @ V _{GS} = | | | | |
| | | | | | | | | | 10 V | 4.5 V | 2.5 V | 1.8 V | |
| 20 | 8 | 7 | 0.4 | 1 | 10 | 32 | 11 | 0.5 | - | 15 | 18 | - | |
| | | 4.7 | 0.45 | 1 | 8.2 | 39.5 | 6.2 | 2 | - | 24 | 29 | 40 | |
| | | 2.5 | 0.45 | 1 | 5 | 9 | 6 | - | - | 41 | 48 | 57 | |
| | | 1.9 | 0.4 | 1 | 8 | 31 | 2.2 | 2 | - | 63 | 77 | 114 | |
| | | 2.2 | 0.4 | 1 | 6 | 21 | 2.6 | 2 | - | 64 | 78 | 110 | |
| | | 1.9 | 0.45 | 0.95 | 5.3 | 16 | 1.6 | 2 | - | 120 | 155 | 195 | |
| | | 1.6 | 0.45 | 0.95 | 5.3 | 16 | 1.6 | 2 | - | 155 | 190 | 235 | |
| | | 1 | 0.5 | 0.95 | 6 | 86 | 0.45 | 2 | - | 270 | 360 | 470 | |
| | 0.6 | 0.45 | 0.95 | 5.6 | 19 | 0.4 | 1 | - | 470 | 620 | 845 | | |
| | 12 | 6.3 | 0.75 | 1.25 | 16 | 44 | 9.9 | 2 | - | 16 | 24 | - | |
| | | 8.6 | 0.47 | 0.9 | 7 | 135 | 7.7 | - | - | 15 | 18 | 22 | |
| | | 9.1 | 0.4 | 0.9 | 9 | 31 | 12 | 1 | - | 15 | 19 | 22 | |
| | | 7.3 | 0.6 | 1.3 | 4 | 15 | 3 | 2 | - | 17 | 25 | - | |
| | | 5.4 | 0.4 | 0.9 | 7 | 35 | 6.2 | - | - | 24 | 30 | 40 | |
| 6 | | 0.4 | 0.9 | 5.5 | 22 | 5.1 | 1 | - | 28 | 38 | 42 | | |
| 30 | 8 | 2 | 0.4 | 0.9 | 4 | 32 | 5.8 | - | - | 50 | 57 | 66 | |
| | | 2.3 | 0.4 | 0.9 | 4 | 32 | 1.4 | - | - | 50 | 57 | 66 | |
| | | 1.5 | 0.45 | 0.95 | 5 | 17 | 1.6 | 2 | - | 210 | 240 | 270 | |
| | | 1 | 0.45 | 0.95 | 4 | 12 | 0.8 | 2 | - | 390 | 460 | 530 | |
| | | 0.59 | 0.45 | 0.95 | 4 | 12 | 0.6 | 2 | - | 550 | 660 | 770 | |
| | | 0.4 | 0.6 | 1.1 | 26 | 88 | 0.52 | 2 | - | 1000 | 1400 | 2000 | |
| | 12 | 7.2 | 0.4 | 0.9 | 8 | 33 | 12.4 | 2 | - | 19 | 22 | 17 | |
| | | 5.7 | 0.4 | 0.9 | 9 | 34 | 7 | - | - | 33 | 42 | 54 | |
| | | 4.4 | 0.4 | 0.9 | 9 | 34 | 7 | - | - | 36 | 43 | 56 | |
| | | 3.4 | 0.6 | 1.25 | 2 | 7 | 1 | 1 | - | 60 | 102 | | |
| | | 1 | 0.75 | 1.25 | 2 | 6 | 0.2 | 2 | - | 230 | 295 | 470 | |
| | | 0.9 | 0.5 | 1.5 | 8 | 11 | 0.74 | 2 | - | 234 | 324 | - | |
| | 20 | 7.6 | 1 | 2 | 9 | 9 | 7.2 | - | 17 | 21 | - | - | |
| | | 5.5 | 1 | 2.5 | 8 | 33 | 12.6 | 2 | 17 | 22 | - | - | |
| 3.9 | | 1 | 2.5 | 6.3 | 14.1 | 6 | 2 | 28 | 36 | - | - | | |
| 3.1 | | 1 | 2.5 | 18 | 78 | 6.5 | - | 28 | 37 | - | - | | |
| 4.5 | | 1 | 2.5 | 3 | 11 | 6 | 1 | 30 | 44 | - | - | | |
| 5.1 | | 1 | 2 | 3 | 11 | 3.6 | - | 35 | 43 | - | - | | |
| 2.1 | | 1 | 2.5 | 3 | 15 | 2.6 | 2 | 70 | 90 | - | - | | |
| 0.18 | | 0.8 | 1.5 | 10 | 51 | 0.34 | - | 2700 | 3000 | 4000 | - | | |
| 40 | 20 | 6.2 | 1.3 | 2.7 | 2 | 12 | 11 | - | 19 | 23 | - | - | |
| | | 5.4 | 1 | 2.5 | 4 | 20 | 7.8 | 2 | 23 | 30 | - | - | |
| | | 2.7 | 1 | 2.5 | 6 | 12 | 4.1 | 1 | 64 | 79 | - | - | |
| | | 2.5 | 1 | 2.5 | 14 | 14 | 2.4 | 1 | 95 | 120 | - | - | |
| 55 | 10 | 0.3 | 0.4 | 1.3 | 4 | 11 | 1 | 3 | - | 2300 | 2400 | 3100 | |
| 60 | 8 | 0.27 | 0.4 | 0.9 | 1 | 5 | 0 | 2 | - | 2 | 2 | 2 | |
| | 20 | 4.2 | 1.3 | 2.7 | 3 | 11 | 10 | - | 32 | 38 | - | - | |
| | | 3.1 | 1.3 | 2.7 | 9 | 33 | 12.7 | 2 | 46 | 52 | - | - | |
| | | 2.1 | 1.3 | 2.7 | 6.4 | 15.9 | 5.9 | 2 | 96 | 108 | - | - | |
| | | 1.5 | 1.3 | 2.7 | 6.3 | 13 | 3.9 | 2 | 176 | 196 | - | - | |
| | | 0.8 | 1.3 | 2.7 | 5.3 | 10.2 | 2.4 | 2 | 300 | 332 | - | - | |
| | | 0.19 | 0.8 | 1.5 | 6 | 11 | 0.33 | yes | 2800 | 3500 | 4500 | - | |
| | | 0.27 | 0.5 | 1.5 | 7.9 | 12.5 | 0.49 | 2 | 2100 | 2200 | 2600 | - | |
| | | 0.1 | 0.6 | 1.4 | 2 | 5 | - | 2 | 2800 | 3800 | - | - | |
| | 0.19 | 1.1 | 2.1 | 12 | 34 | 0.33 | yes | 3000 | 3700 | - | - | | |
| 0.27 | 1.1 | 2.1 | 4.7 | 6.9 | 1 | 2 | 2200 | 2500 | - | - | | | |
| 100 | 20 | 1.5 | 1.3 | 2.7 | 4.8 | 9.3 | 4.5 | 1 | 285 | 300 | - | - | |

| | SOT457 (SC-74) | SOT23 | SOT323 (SC-70) |
|--|---|---|---|
| |  |  |  |
| | 2.9 x 1.5 x 1.0 | 2.9 x 1.3 x 1.0 | 2.0 x 1.25 x 0.95 |
| | 600 | 250 | 200 |
| | | | |
| | | PMV15UNEA | |
| | PMN28UNE | PMV28UNEA | |
| | | NXV40UN | |
| | | | PMF63UNE |
| | | PMV65UNE | |
| | | | |
| | | | |
| | | PMV20XNEA | |
| | | PMV16XN | |
| | PMN16XNE | | |
| | | PMV13XNEA | |
| | | PMV30UN2 | |
| | PMN30UNE | | |
| | | NXV50UN | |
| | | NXV55UN | |
| | | | |
| | | NX3008NBK | NX3008NBKW |
| | | PMV20XNE | |
| | PMN30UN | | |
| | | PMV40UN2 | |
| | | PMV50XNEA | |
| | | BSH103BK | |
| | | | PMF250XNE |
| | | PMV20EN | |
| | PMN25ENE | PMV15ENE | |
| | | PMV28ENE | |
| | | PMV37EN2 | |
| | PMN40ENE | PMV42ENE | |
| | | PMV45EN2 | |
| | | PMV90ENE | |
| | | NX3020NAK | NX3020NAKW |
| | PMN20ENA | | |
| | PMN30ENEA | PMV30ENEA | |
| | | PMV60ENEA | |
| | | PMV130ENEA | |
| | | BSH111BK | |
| | | NX6008NBK | NX6008NBKW |
| | PMN40ENA | | |
| | PMN55ENE | PMV52ENE | |
| | PMV30ENEA | PMV88ENE | |
| | PMN230ENE | PMV164ENE | |
| | | PMV450ENEA | |
| | | NX138AK | |
| | | NX138BK | NX138BKW |
| | | BSN20BK | |
| | | 2N7002NXAK | NX7002AKW |
| | | 2N7002NXBK | NX7002BKW |
| | PMN280ENEA | PMV280ENEA | |

MOSFETs

Small-signal MOSFETs

Small-signal MOSFETs single (P-channel)

| Package | | | | | | | | | | | | | |
|-----------------------|---------------------|--------------------|-----------------------------|-----------------------------|--------------------------|---------------------------|-------------------------|---------------------|--|-------|-------|-------|--|
| Size (mm) | | | | | | | | | | | | | |
| P _{tot} (mW) | | | | | | | | | | | | | |
| V _{DS} (V) | V _{GS} (V) | I _D (A) | V _{GS(th)} min (V) | V _{GS(th)} max (V) | t _{on} typ (ns) | t _{off} typ (ns) | Q _C typ (nC) | ESD protection (kV) | R _{DS(on)} typ (mΩ) @ V _{GS} = | | | | |
| | | | | | | | | | 10 V | 4.5 V | 2.5 V | 1.8 V | |
| 20 | 8 | 5.6 | 0.45 | 0.95 | 11 | 83 | 14.7 | 2 | - | 27 | 38 | 50 | |
| | | 5.3 | 0.45 | 0.95 | 41 | 122 | 14.7 | 2 | - | 30 | 38 | 51 | |
| | | 5.4 | 0.45 | 0.95 | 34 | 128 | 15.5 | - | - | 34 | 42 | 57 | |
| | | 4 | 0.47 | 0.9 | 400 | 2180 | 10.5 | 3 | - | 50 | 57 | 70 | |
| | | 2 | 0.5 | 1 | 6 | 46 | 5.8 | - | - | 55 | 74 | 101 | |
| | | 2 | 0.5 | 1 | 5 | 36 | 4.2 | - | - | 75 | 103 | - | |
| | | 2 | 0.5 | 1.1 | 7 | 50 | 6 | - | - | 100 | 155 | 210 | |
| | | 1.2 | 0.45 | 0.95 | 33 | 52 | 3.3 | - | - | 170 | 210 | 280 | |
| | 2.3 | 0.45 | 0.95 | 5 | 43 | 3.7 | - | - | 120 | 150 | 200 | | |
| | 4.5 | 0.75 | 1.25 | 7.9 | 59 | 11 | 2 | - | 28 | 42 | - | | |
| | 6.8 | 0.47 | 0.9 | 12 | 62 | 15 | - | - | 30 | 35 | 48 | | |
| | 4.1/3.5 | 0.75 | 1.25 | 24 | 84 | 8.5 | - | - | 48 | 71 | - | | |
| | 4.4 | 0.47 | 0.9 | 7 | 135 | 7.7 | - | - | 48 | 60 | 82 | | |
| | 4.7 | 0.47 | 0.9 | 5.1 | 141 | 8.5 | - | - | 50 | 64 | 88 | | |
| | 3.9 | 0.55 | 0.95 | 28 | 101 | 7.6 | - | - | 65 | 90 | - | | |
| | 3.3 | 0.75 | 1.25 | 7 | 36 | 5 | 2 | - | 67 | 99 | - | | |
| | 3.9 | 0.47 | 0.9 | 6 | 120 | 5 | - | - | 72 | 88 | 110 | | |
| | 3.2 | 0.47 | 0.9 | 6 | 120 | 5 | - | - | 77 | 95 | 120 | | |
| | 2 | 0.65 | 1.15 | 48 | 64 | 4.8 | - | - | 90 | 125 | - | | |
| | 2.3 | 0.7 | 1.3 | 5.3 | 36 | 3.4 | 2 | - | 100 | 155 | - | | |
| 1 | 0.65 | 1.15 | 26 | 44 | 2.6 | - | - | 175 | 240 | - | | | |
| 40 | 12 | 0.23 | 0.6 | 1.1 | 49 | 103 | 0.55 | 2 | - | 2800 | 5300 | - | |
| | | 1.5 | 0.5 | 0.9 | 5 | 40 | 4.2 | - | - | 104 | 131 | 175 | |
| | 20 | 5.3 | 1 | 3 | 6 | 36 | 12.8 | 2 | 35 | 49 | - | - | |
| | | 4.4 | 1 | 3 | 5 | 19 | 6.5 | 2 | 60 | 96 | - | - | |
| | | 1.5 | 1 | 3 | 4 | 18 | 5.2 | - | 98 | 135 | - | - | |
| 20 | 1.8 | 1 | 2.5 | 10 | 40 | 4.7 | 1 | 180 | 220 | - | - | | |
| 50 | 20 | 0.2 | 1.1 | 2.1 | 24 | 73 | 0.26 | 1 | 5300 | 6000 | - | - | |
| 100 | 25 | 1.2 | 2 | 4 | 8 | 23 | 2.6 | - | 365 | - | - | - | |

| | SOT457 (SC-74) | SOT23 | SOT363 (SC-88) | SOT323 (SC-70) |
|--|---|---|---|---|
| |  |  |  |  |
| | 2.9 x 1.5 x 1.0 | 2.9 x 1.3 x 1.0 | 2.0 x 1.25 x 0.95 | 2.0 x 1.25 x 0.95 |
| | 600 | 250 | 300 | 200 |
| | | | | |
| | | PMV27UPE | | |
| | | PMV33UPE | | |
| | | PMV32UP | | |
| | | PMV50UPE | | |
| | | NXV65UP | | |
| | | NXV75UP | | |
| | | NX2301P | | |
| | | PMV160UP | | |
| | | BSH205G2 | | |
| | PMN30XPE | PMV30XPEA | | |
| | PMN30XP | | | |
| | PMN48XP | PMV48XP | | |
| | | PMV50XP | | |
| | PMN52XP | | | |
| | | PMV65XP | | |
| | | PMV65XPE | | |
| | PMN70XP | | | |
| | | PMV75UP | | |
| | | | PMG85XP | |
| | | PMV100XPEA | | |
| | | | | PMF170XP |
| | | NX3008PBK | | NX3008PBKW |
| | | NXV100XP | | |
| | PMN50EPE | PMV35EPE | | |
| | PMN70EPE | PMV74EPE | | |
| | | NXV90EP | | |
| | | PMV250EPEA | | |
| | | BSS84AK | | BSS84AKW |
| | | PMV240SP | | |

MOSFETs

Small-signal MOSFETs dual

| Package | | | | | | | | | | |
|-----------------------|---------------------|---------------------|--------------------|-----------------------------|-----------------------------|--------------------------|---------------------------|-------------------------|---------------------|-----|
| Size (mm) | | | | | | | | | | |
| P _{tot} (mW) | | | | | | | | | | |
| Polarity | V _{DS} (V) | V _{GS} (V) | I _D (A) | V _{GS(th) min} (V) | V _{GS(th) max} (V) | t _{on} typ (ns) | t _{off} typ (ns) | Q _C typ (nC) | ESD protection (kV) | |
| N-channel | 20 | 8 | 0.93 | 0.5 | 1 | 1 | 5 | 0.6 | 2 | |
| | | | 0.6 | 0.45 | 0.95 | 5.6 | 19 | 0.4 | 1 | |
| | | 12 | 5.3 | 0.4 | 0.9 | 4 | 40 | 14.4 | - | |
| | 30 | 8 | 0.59 | 0.45 | 0.95 | 4 | 12 | 0.6 | 2 | |
| | | | 0.35 | 0.6 | 1.1 | 26 | 88 | 0.52 | 2 | |
| | | | 3.1 | 0.75 | 1.25 | 9 | 19 | 2.9 | 2 | |
| | | 12 | 3.1 | 0.5 | 1.5 | 6 | 18 | 1.65 | 1.8 | |
| | | | 1 | 0.5 | 1.5 | 6.5 | 14 | 0.7 | 2 | |
| | | | 20 | 0.18 | 0.8 | 1.5 | 10 | 51 | 0.34 | yes |
| | 60 | 8 | 0.22 | 0.4 | 0.9 | 1 | 5 | 0.11 | 2 | |
| | | | 0.18 | 0.8 | 1.5 | 6 | 11 | 0.33 | yes | |
| | | | 0.26 | 0.5 | 1.5 | 7.9 | 12.5 | 0.49 | 2 | |
| 20 | | 0.17 | 1.1 | 2.1 | 12 | 34 | 0.33 | yes | | |
| | | 0.26 | 1.1 | 2.1 | 4.7 | 6.9 | 1 | 2 | | |
| | | | | | | | | | | |
| P-channel | 20 | 8 | 4.5 | 0.45 | 0.95 | 7 | 41 | 6.3 | 2 | |
| | | | 0.26 | 1.1 | 2.1 | 4.7 | 6.9 | 1 | 2 | |
| | | | 0.5 | 0.45 | 0.95 | 2.3 | 13.5 | 1.19 | 1 | |
| | | 3.7 | 0.45 | 0.95 | 6 | 47 | 5.4 | 2 | | |
| | | 12 | 4.5 | 0.47 | 0.9 | 4 | 135 | 16.5 | - | |
| | | | 4.2 | 0.75 | 1 | 7 | 33 | 5 | 2 | |
| | 3.7 | | 0.4 | 1 | 6 | 120 | 5.7 | - | | |
| | 30 | 8 | 0.41 | 0.45 | 0.95 | 3 | 14 | 0.7 | 2 | |
| | | | 0.2 | 0.6 | 1.1 | 49 | 103 | 0.55 | 2 | |
| | | 12 | 3.8 | 0.45 | 1 | 3 | 112 | 5.2 | - | |
| | 50 | 20 | 0.16 | 1.1 | 2.1 | 24 | 73 | 0.26 | 1 | |

Small-signal MOSFETs complementary

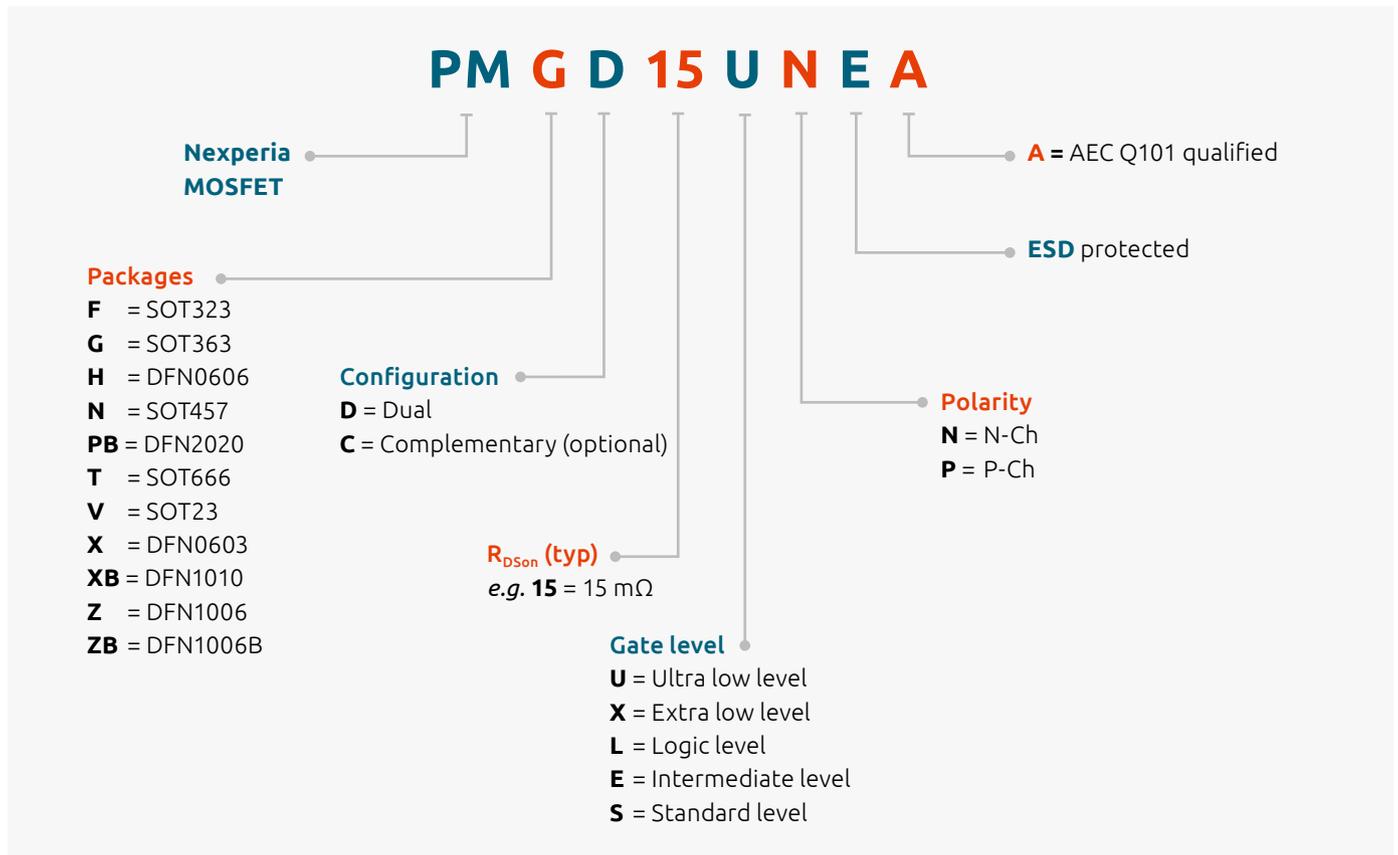
| Package | Type | Polarity | V _{DS} (V) | V _{GS} (V) | I _D (A) | V _{GS(th) min} (V) | V _{GS(th) max} (V) | |
|--|-------------|----------|---------------------|---------------------|--------------------|-----------------------------|-----------------------------|--|
|  SOT363 (SC-88) (2.0 x 1.25 x 0.95) | NX3008CBKS | N | 30 | 8 | 0.35 | 0.6 | 1.1 | |
| | | P | 30 | 8 | 0.2 | 0.6 | 1.1 | |
| | NX6020CAKS | N | 60 | 20 | 0.17 | 1.1 | 2.1 | |
| | | P | 50 | 20 | 0.16 | 1.1 | 2.1 | |
|  DFN1010B-6 (1.1 x 1.0 x 0.37) | PMCXB900UE | N | 20 | 8 | 0.6 | 0.45 | 0.95 | |
| | | P | 20 | 8 | 0.5 | 0.45 | 0.95 | |
| | PMCXB1000UE | N | 30 | 8 | 0.59 | 0.45 | 0.95 | |
| | | P | 30 | 8 | 0.41 | 0.45 | 0.95 | |
|  DFN2020-6 (2.0 x 2.0 x 0.65) | PMCPB5530X | N | 20 | 12 | 5.3 | 0.4 | 0.9 | |
| | | P | 20 | 12 | 4.5 | 0.47 | 0.9 | |

| | | | | | SOT363 (SC-88) | DFN2020-6 (SOT1118) | DFN1010B-6 (SOT1216) |
|--|------|------|------|------|---|---|---|
| | | | | |  |  |  |
| | | | | | 2.0 x 1.25 x 0.95 | 2.0 x 2.0 x 0.65 | 1.0 x 1.0 x 0.37 |
| | | | | | 300 | 1250 | 350 |
| R _{DS(on)} typ (mΩ) @ V _{GS} = | | | | | | | |
| 10 V | | | | | | | |
| 4.5 V | | | | | | | |
| 2.5 V | | | | | | | |
| 1.8 V | | | | | | | |
| | - | 270 | 360 | 470 | | | PMDXB290UE |
| | - | 470 | 620 | 845 | | | PMDXB600UE |
| | - | 32 | 40 | 60 | | PMDPB30XN | |
| | - | 550 | 660 | 770 | | | PMDXB550UE |
| | - | 1000 | 1400 | 2000 | NX3008NBKS | | |
| | - | 55 | 72 | - | | PMDPB56XNEA | |
| | - | 95 | 130 | - | | PMDPB95XNE2 | |
| | - | 170 | 240 | - | PMGD175XNE | | |
| | 2700 | 3000 | 4000 | - | NX3020NAKS | | |
| | | 2700 | 2900 | - | NX6008NBKS | | |
| | 2800 | 3500 | 4500 | - | NX138AKS | | |
| | 2100 | 2200 | 2600 | - | NX138BKS | | |
| | 3000 | 3700 | - | - | NX7002AKS | | |
| | 2200 | 2500 | - | - | NX7002BKS | | NX7002BKXB |
| | - | 58 | 74 | 97 | | PMDPB58UPE | |
| | - | 590 | 980 | 1170 | | | PMDXB590UPE |
| | - | 1020 | 1270 | 1700 | | | PMDXB950UPE |
| | - | 82 | 107 | 142 | | PMDPB85UPE | |
| | - | 55 | 75 | 110 | | PMDPB55XP | |
| | - | 66 | 98 | - | | PMDPB70XPE | |
| | - | 80 | 95 | 120 | | PMDPB80XP | |
| | - | 1200 | 1700 | 2100 | | | PMDXB1200UPE |
| | - | 2800 | 5300 | - | NX3008PBKS | | |
| | - | 70 | 89 | - | | PMDPB70XP | |
| | 4500 | 5700 | - | - | BSS84AKS | | |

MOSFETs

| | t _{on} typ (ns) | t _{off} typ (ns) | Q _G typ (nC) | ESD protection (kV) | R _{DS(on)} typ (mΩ) @ V _{GS} = | | | | | |
|--|--------------------------|---------------------------|-------------------------|---------------------|--|-------|-------|-------|-------|-------|
| | | | | | 10 V | 4.5 V | 2.5 V | 1.8 V | 1.5 V | 1.2 V |
| | 26 | 88 | 0.52 | 2 | - | 1000 | 1400 | 2000 | - | - |
| | 49 | 103 | 0.55 | 2 | - | 2800 | 5300 | - | - | - |
| | 6 | 20 | 0.33 | yes | 3000 | 3700 | | | | |
| | 13 | 48 | 0.26 | 1 | 4500 | 5700 | | | | |
| | 5.6 | 19 | 0.4 | 1 | - | 470 | 620 | 845 | 1125 | 2210 |
| | 2.3 | 13.5 | 1.19 | 1 | - | 1020 | 1270 | 1700 | 2300 | 3500 |
| | 4 | 12 | 0.6 | 2 | - | 550 | 660 | 770 | 890 | - |
| | 3 | 14 | 0.7 | 2 | - | 1200 | 1700 | 2100 | 3000 | - |
| | 19 | 56 | 14.4 | - | - | 26 | 33 | 50 | - | - |
| | 18 | 56 | 16.5 | - | - | 55 | 75 | 110 | - | - |

Small-signal MOSFETs nomenclature





Silicon carbide MOSFETs

5

| | |
|--------------------------------------|------------|
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| Silicon carbide MOSFETs | 132 |
| SiC MOSFET nomenclature | 133 |

Silicon carbide MOSFETs

Addressing the growing demand for high-power and high-voltage industrial applications, Nexperia's Silicon Carbide MOSFETs, with their excellent $R_{DS(on)}$ temperature stability, fast switching speed, and high short-circuit ruggedness, make them the product of choice for E-vehicle charging infrastructure, photovoltaic inverters, and motor drives.

Design benefits

- › Very low switching losses
- › Fast reverse recovery
- › Fast switching speed
- › Temperature independent turn-off switching losses
- › Very fast and robust intrinsic body diode
- › Faster commutation and improved switching due to the additional Kelvin source pin

Key technical features

- › Best-in-class $R_{DS(on)}$ temperature stability
- › Superior gate charge and beneficial gate charge ratio
 - Low power consumption of gate drivers
 - High tolerance against parasitic turn-on
- › Ultra small threshold voltage tolerance
- › Robust body diode with very low forward voltage
- › Lower leakage current up to 1200 V

Key applications

- › E-vehicle charging infrastructure
- › Photovoltaic inverters
- › Switch mode power supply
- › Uninterruptable power supply
- › Motor drives

Types in **bold red** are in development

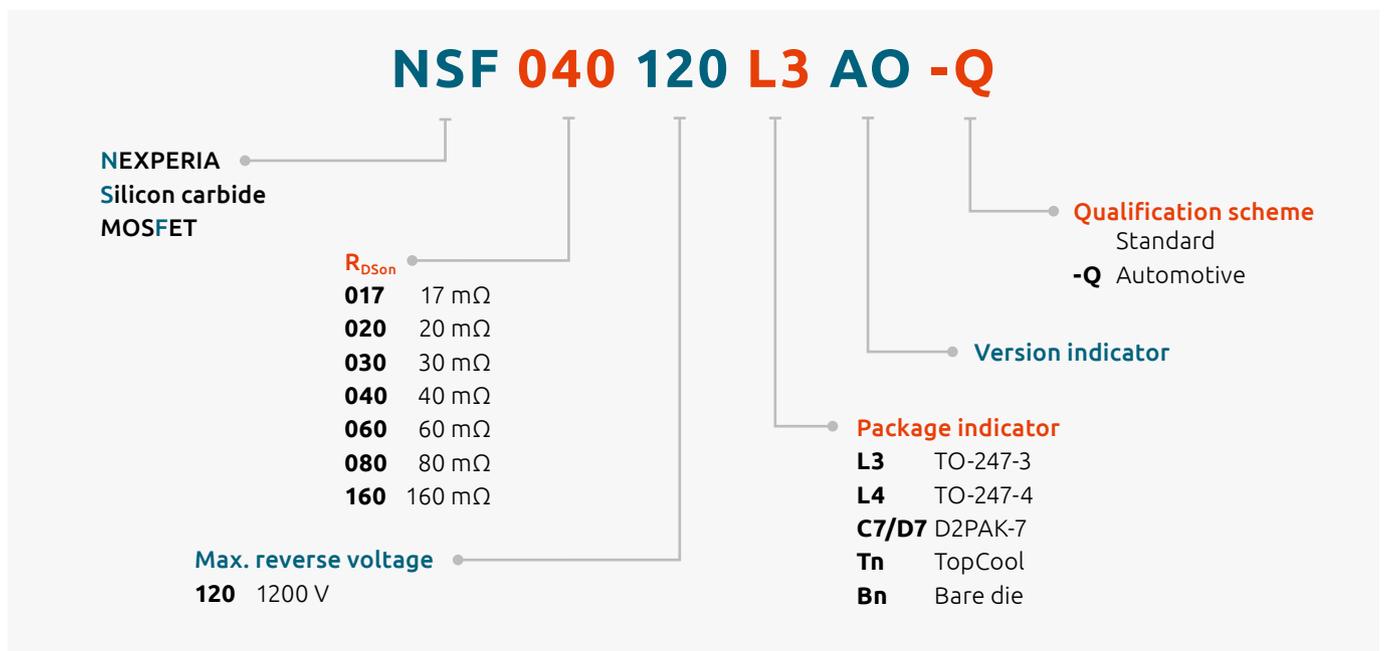
| Type number | V_{DS} max (V) | $R_{DS(on)}$ typ (m Ω) @ $T_J = 25^\circ\text{C}$ | I_D max (A) @ $TC = 25^\circ\text{C}$ | T_J max ($^\circ\text{C}$) | Package |
|------------------------|------------------|---|---|--------------------------------|--|
| NSF017120T1A0-Q | 1200 | 17 | 107 | 175 |  QDPAK |
| NSF017120T1A0 | | 17 | 107 | | |
| NSF030120T1A0-Q | | 30 | 65 | | |
| NSF030120T1A0 | | 30 | 65 | | |
| NSF040120T1A1-Q | | 40 | 51 | | |
| NSF040120T1A1 | | 40 | 51 | | |
| NSF060120T1A0-Q | | 60 | 33 | | |
| NSF060120T1A0 | | 60 | 33 | | |
| NSF080120T1A1-Q | | 80 | 31 | | |
| NSF080120T1A1 | | 80 | 31 | | |
| NSF017120T2A0-Q | | 17 | 107 | |  X.PAK |
| NSF017120T2A0 | | 17 | 107 | | |
| NSF030120T2A0-Q | | 30 | 65 | | |
| NSF030120T2A0 | | 30 | 65 | | |
| NSF040120T2A1-Q | | 40 | 51 | | |
| NSF040120T2A1 | | 40 | 51 | | |
| NSF060120T2A0-Q | | 60 | 33 | | |
| NSF060120T2A0 | | 60 | 38 | | |
| NSF080120T2A1-Q | | 80 | 31 | | |
| NSF080120T2A1 | | 80 | 31 | | |
| NSF017120C7A0-Q | 17 | 107 |  TO-263-7 | | |
| NSF017120C7A0 | 17 | 107 | | | |
| NSF030120D7A0-Q | 30 | 65 | | | |
| NSF030120D7A0 | 30 | 67 | | | |

Types in **bold red** are in development

| Type number | V _{DS} max (V) | R _{DS(on)} @ 18 V V _{GS} | I _D max (A) @ TC = 25 °C | T _J max (°C) | Package |
|------------------------|-------------------------|--|---|-------------------------|---|
| NSF040120D7A0 | 1200 | 30 | 65 | 175 |  TO-263-7 |
| NSF040120D7A1-Q | | 40 | 51 | | |
| NSF040120D7A1 | | 40 | 51 | | |
| NSF060120D7A0-Q | | 60 | 33 | | |
| NSF060120D7A0 | | 60 | 38 | | |
| NSF080120D7A0 | | 60 | 33 | | |
| NSF080120D7A1-Q | | 80 | 31 | | |
| NSF080120D7A1 | | 80 | 31 | | |
| NSF017120L4A0 | | 17 | 107 | | |
| NSF017120L4A0-Q | | 17 | 107 | | |
| NSF030120L4A0-Q | | 30 | 65 | |  TO-247-4 |
| NSF030120L4A0 | | 30 | 67 | | |
| NSF040120L4A0 | | 30 | 65 | | |
| NSF040120L4A1-Q | | 40 | 51 | | |
| NSF040120L4A1 | | 40 | 51 | | |
| NSF060120L4A0-Q | | 60 | 33 | | |
| NSF060120L4A0 | | 60 | 37 | | |
| NSF080120L4A0 | | 60 | 35 | | |
| NSF080120L4A1-Q | | 80 | 31 | | |
| NSF080120L4A1 | | 80 | 31 | | |
| NSF030120L3A0 | 30 | 67 |  TO-247-3 | | |
| NSF040120L3A0 | 30 | 65 | | | |
| NSF060120L3A0 | 60 | 37 | | | |
| NSF080120L3A0 | 60 | 35 | | | |

Silicon carbide MOSFETs

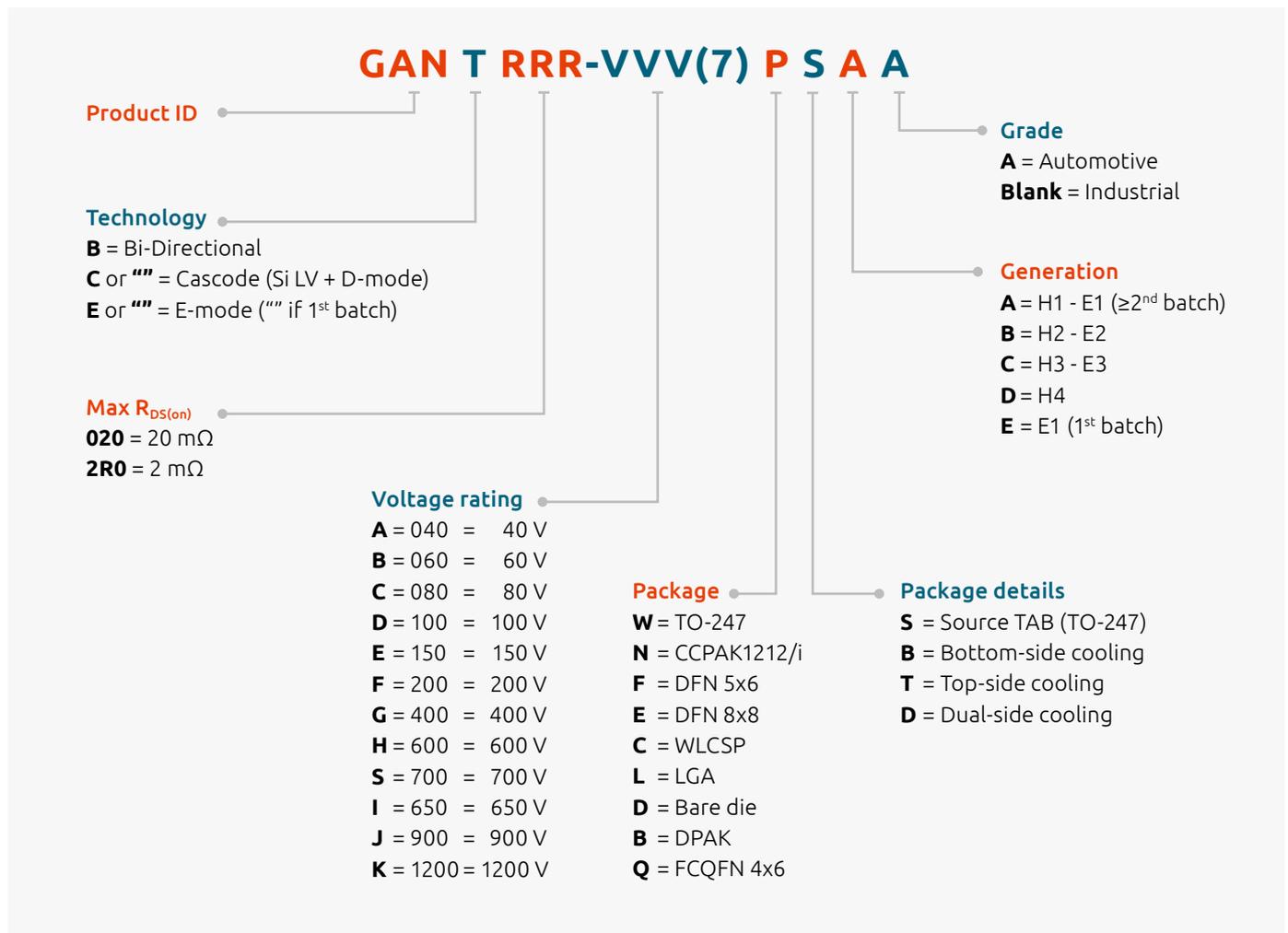
SiC MOSFET nomenclature





| | |
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| 650 V cascode GaN FETs | 137 |

Power GaN FETs naming conventions



Low voltage e-mode GaN FETs

Types in **bold** represent new products
Types in **bold red** are in development

| Package | Type number | V _{DS} max (V) | R _{DS(on)} max @ V _{GS} = 5 V (mΩ) | T _j max (°C) | I _D max (A) | Q _{G(tot)} [typ] (nC) | Q _{oss} [typ] (nC) |
|--------------------|----------------------|-------------------------|--|-------------------------|------------------------|--------------------------------|-----------------------------|
| WLCSP8 (SOT8072) | GAN3R2-100CBE | 100 | 3.2 | 150 | 60 | 9.2 | 50 |
| WLCSP6 (SOT8090) | GAN7R0-100CBA | | 7 | 150 | 29 | 4.5 | 25 |
| WLCSP22 (SOT8089) | GAN2R7-100CBA | | 2.7 | 150 | 64 | 13 | 77 |
| VQFN7 (SOT8091-1) | GAN1R8-100QBA | | 1.8 | 150 | 100 | 22 | 125 |
| | GAN3R9-150QBA | 150 | 3.9 | 150 | 100 | 20 | 130 |
| FCLGA3 (SOT8073-1) | GAN7R0-150LBE | | 7 | 150 | 28 | 7.6 | 47 |

650 - 700 V e-mode GaN FETs

| Package | Type number | V _{DS} max (V) | R _{DS(on)} max @ V _{GS} = 6 V (mΩ) | T _j max (°C) | I _D max (A) | Q _{G(tot)} [typ] (nC) | Q _{oss} [typ] (nC) |
|-----------------------|----------------------|-------------------------|--|-------------------------|------------------------|--------------------------------|-----------------------------|
| DFN5060-5 (SOT8075-1) | GAN140-650FBE | 650 | 140 | 150 | 17 | 3.5 | 33 |
| | GAN190-650FBE | | 190 | 150 | 11.5 | 2.8 | 24.5 |
| | GAN350-650FBA | | 350 | 150 | 6 | 1.5 | 60 |
| | GAN600-650FBA | | 600 | 150 | 3.3 | 0.7 | 7.3 |
| DFN8080-8 (SOT8074-1) | GAN080-650EBE | | 80 | 150 | 29 | 6.2 | 60 |
| | GAN140-650EBE | | 140 | 150 | 17 | 3.5 | 33 |
| | GAN190-650EBE | | 190 | 150 | 11.5 | 2.8 | 24.5 |
| DPAK (SOT428-2) | GAN140-700BBA | | 700 | 140 | 150 | 17 | 3.5 |
| | GAN190-700BBA | 190 | | 150 | 11.5 | 2.8 | 24.5 |
| | GAN240-700BBA | 240 | | 150 | 10 | 2 | 21 |
| | GAN350-700BBA | 350 | | 150 | 6 | 1.5 | 13 |

Bi-directional e-mode GaN FETs

| Package | Type number | V _{DS} max (V) | R _{DS(on)} max @ V _{GS} = 5 V (mΩ) | T _j max (°C) | I _D max (A) | Q _{G(tot)} [typ] (nC) | Q _{oss} [typ] (nC) |
|--------------------|-----------------------|-------------------------|--|-------------------------|------------------------|--------------------------------|-----------------------------|
| VQFN16 (SOT8092-1) | GANB1R2-040QBA | 40 | 1.2 | 125 | 100 | 60 | 45 |
| WLCSP22 (SOT8086) | GANB4R8-040CBA | | 4.8 | 125 | 20 | 15.8 | 12.2 |
| WLCSP16 (SOT8087) | GANB8R0-040CBA | | 8 | 125 | 14 | 10.1 | 8 |
| WLCSP12 (SOT8088) | GANB012-040CBA | | 12 | 125 | 10 | 7.2 | 5.6 |

650 V cascode GaN FETs

| Package | Type number | V _{DS} max (V) | R _{DS(on)} max @ V _{GS} = 10 V (mΩ) | T _j max (°C) | I _D max (A) | Q _{G(tot)} [typ] (nC) | Q _{oss} [typ] (nC) |
|----------------------|----------------------|-------------------------|---|-------------------------|------------------------|--------------------------------|-----------------------------|
| CCPAK1212 (SOT8000) | GAN039-650NBB | 650 | 39 | 150 | 58.5 | 26 | 173 |
| CCPAK1212i (SOT8005) | GAN039-650NTB | | 39 | 150 | 58.5 | 26 | 173 |
| TO-247-3L (SOT429-3) | GAN041-650WSB | | 41 | 175 | 47.2 | 22 | 150 |
| TO-247-3 (SOT429) | GAN063-650WSA (NRND) | | 60 | 175 | 34.5 | 15 | 125 |
| | GAN111-650WSB | | 114 | 175 | 21 | 4.9 | 65 |



| | |
|------------------|-----|
| IGBTs..... | 140 |
| 650 V IGBTs..... | 140 |

650 V IGBTs

Addressing the growing demand for efficient, high-voltage power conversion and motor drives, Nexperia's IGBTs feature a robust and cost-effective carrier stored trench-gate (CSTBT) advanced field-stop (FS) construction. Delivering high ruggedness reliability and enhanced inverter power density for industrial applications.

Design Benefits

- › Low conduction and switching losses
- › High ruggedness reliability
- › Stable and tight parameters for easy parallel operation
- › Maximum junction temperature of 175 °C
- › Fully rated as a Soft Fast Reverse Recovery Diode
- › 5 μs short circuit capability (For M3)
- › Enabling outstanding system efficiency and reliability

Key applications

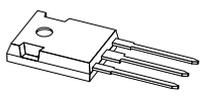
- › Industrial motor drives – particularly 5 <-> 20 kW (20 kHz) servo motors
 - robotics, elevators, operating grippers, in-line manufacturing
- › Power inverters
 - Uninterruptible Power Supply (UPS)
 - photovoltaic (PV) strings
 - EV-charging
- › Induction heating, welding

Key technical features

- › Ultra low diode Vf
- › Ultra low IGBT turn off loss
- › Trade off for total power loss

650 V products

Types in **bold red** are in development

| Type name | Voltage / Current @ Tc=100°C | IGBT type | Copak Diode rating | SCWT | Package |
|----------------------|------------------------------|-----------|--------------------|------|--|
| NGW40T65M3DFP | 650 / 40 | MS | full | 5μs |  TO-247-3L |
| NGW50T65H3DFP | 650 / 50 | HS | | | |
| NGW75T65H3DF | 650 / 75 | HS | | | |
| NGW30T65M3DFP | 650 / 30 | MS | | | |
| NGW50T65M3DFP | 650 / 50 | MS | | | |
| NGW60T65M3DFP | 650 / 60 | MS | | | |
| NGW75T65M3DFP | 650 / 75 | MS | | | |
| NGW40T65H3DFP | 650 / 50 | HS | | | |
| NGW75T65H3DFP | 650 / 75 | HS | | | |



| | |
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Q100 Functions and Standard Packages (>10 pins)

Logic - Buffer / Inverters

| Type number | Description | Features | | | | Package (suffix) | | | | | | | | | | |
|----------------|---|---------------------|---------------------|----------------------|-----------------------|------------------|---------------|---------------|--------------|---------------|--------------|---------------|---------------|----------------|----------------|--|
| | | V _{cc} (V) | I _o (mA) | t _{pd} (ns) | T _{amb} (°C) | SOT108-1 (D) | SOT402-1 (PW) | SOT162-1 (BQ) | SOT109-1 (D) | SOT403-1 (PW) | SOT163-1 (D) | SOT360-1 (PW) | SOT164-1 (BQ) | SOT362-1 (DGG) | SOT480-1 (DGV) | |
| 74AHC04-Q100 | Hex inverter | 2.0 - 5.5 | ± 8 | 3.0 | -40 to 125 | • | • | • | | | | | | | | |
| 74AHT04-Q100 | Hex inverter; TTL-enabled | 4.5 - 5.5 | ± 8 | 3.0 | -40 to 125 | • | • | • | | | | | | | | |
| 74AHC125-Q100 | Quad buffer/line driver (3-state) | 2.0 - 5.5 | ± 8 | 3.0 | -40 to 125 | • | • | • | | | | | | | | |
| 74AHT125-Q100 | Quad buffer/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | ± 8 | 3.0 | -40 to 125 | • | • | • | | | | | | | | |
| 74AHC126-Q100 | Quad buffer/line driver (3-state) | 2.0 - 5.5 | ± 8 | 3.3 | -40 to 125 | • | • | • | | | | | | | | |
| 74AHT126-Q100 | Quad buffer/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | ± 8 | 3.0 | -40 to 125 | • | • | • | | | | | | | | |
| 74AHT240-Q100 | Octal inverter/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | ± 8 | 3.0 | -40 to 125 | | | | | | • | • | • | | | |
| 74AHC244-Q100 | Octal buffer/line driver (3-state) | 2.0 - 5.5 | ± 8 | 3.5 | -40 to 125 | | | | | | • | • | • | | | |
| 74AHT244-Q100 | Octal buffer/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | ± 8 | 3.5 | -40 to 125 | | | | | | • | • | • | | | |
| 74AHC541-Q100 | Octal buffer/line driver (3-state) | 2.0 - 5.5 | ± 8 | 3.5 | -40 to 125 | | | | | | • | • | • | | | |
| 74AHT541-Q100 | Octal buffer/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | ± 8 | 3.5 | -40 to 125 | | | | | | • | • | • | | | |
| 74AHC04-Q100 | Hex inverter; unbuffered | 2.0 - 5.5 | ± 8 | 2.4 | -40 to 125 | • | • | • | | | | | | | | |
| 74ALVC125-Q100 | Quad buffer/line driver (3-state) | 1.65 - 3.6 | ± 24 | 1.8 | -40 to 85 | • | • | • | | | | | | | | |
| 74ALVC541-Q100 | Octal buffer/line driver (3-state) | 1.65 - 3.6 | ± 24 | 2.3 | -40 to 85 | | | | | | • | • | • | | | |
| 74HC05-Q100 | Hex inverter; open-drain | 2.0 - 6.0 | 5.2 | 11 | -40 to 125 | • | • | • | | | | | | | | |
| 74HC04-Q100 | Hex inverter | 2.0 - 6.0 | ± 5.2 | 7.0 | -40 to 125 | • | • | • | | | | | | | | |
| 74HCT04-Q100 | Hex inverter; TTL-enabled | 4.5 - 5.5 | ± 4.0 | 8.0 | -40 to 125 | • | • | • | | | | | | | | |
| 74HC125-Q100 | Quad buffer/line driver (3-state) | 2.0 - 6.0 | ± 7.8 | 9.0 | -40 to 125 | • | • | | | | | | | | | |
| 74HCT125-Q100 | Quad buffer/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | ± 6 | 12 | -40 to 125 | • | • | | | | | | | | | |
| 74HC126-Q100 | Quad buffer/line driver (3-state) | 2.0 - 6.0 | ± 7.8 | 9.0 | -40 to 125 | • | • | | | | | | | | | |
| 74HCT126-Q100 | Quad buffer/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | ± 6 | 11 | -40 to 125 | • | • | | | | | | | | | |
| 74HC240-Q100 | Octal inverter/line driver (3-state) | 2.0 - 6.0 | ± 7.8 | 9.0 | -40 to 125 | | | | | | • | • | • | | | |
| 74HCT240-Q100 | Octal inverter/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | ± 6 | 9.0 | -40 to 125 | | | | | | • | • | • | | | |
| 74HC244-Q100 | Octal buffer/line driver (3-state) | 2.0 - 6.0 | ± 7.8 | 9.0 | -40 to 125 | | | | | | • | • | • | | | |
| 74HCT244-Q100 | Octal buffer/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | ± 6 | 11 | -40 to 125 | | | | | | • | • | • | | | |
| 74HC365-Q100 | Hex buffer/line driver (3-state) | 2.0 - 6.0 | ± 7.8 | 9.0 | -40 to 125 | | | | | • | • | | | | | |
| 74HCT365-Q100 | Hex buffer/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | ± 6 | 11 | -40 to 125 | | | | | • | • | | | | | |
| 74HC366-Q100 | Hex inverter/line driver (3-state) | 2.0 - 6.0 | ± 7.8 | 10 | -40 to 125 | | | | | • | • | | | | | |
| 74HCT366-Q100 | Hex inverter/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | ± 6 | 11 | -40 to 125 | | | | | • | • | | | | | |
| 74HC540-Q100 | Octal inverter/line driver (3-state) | 2.0 - 6.0 | ± 7.8 | 9.0 | -40 to 125 | | | | | | • | | | | | |
| 74HCT540-Q100 | Octal inverter/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | ± 6 | 11 | -40 to 125 | | | | | | • | | | | | |
| 74HC541-Q100 | Octal buffer/line driver (3-state) | 2.0 - 6.0 | ± 7.8 | 10 | -40 to 125 | | | | | | • | • | | | | |

Logic - Buffer / Inverters

| Type number | Description | Features | | | | Package (suffix) | | | | | | | | | |
|-------------------|---|---------------------|---------------------|----------------------|-----------------------|------------------|---------------|---------------|--------------|---------------|--------------|---------------|---------------|----------------|----------------|
| | | V _{CC} (V) | I _O (mA) | t _{pd} (ns) | T _{amb} (°C) | SOT108-1 (D) | SOT402-1 (PW) | SOT762-1 (BQ) | SOT109-1 (D) | SOT403-1 (PW) | SOT163-1 (D) | SOT360-1 (PW) | SOT764-1 (BQ) | SOT362-1 (DGG) | SOT480-1 (DGV) |
| 74HCT541-Q100 | Octal buffer/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | ± 6 | 12 | -40 to 125 | | | | | | • | • | | | |
| 74HCU04-Q100 | Hex inverter; unbuffered | 2.0 - 6.0 | ± 5.2 | 5.0 | -40 to 125 | • | • | • | | | | | | | |
| 74LV244-Q100 | Octal buffer/line driver (3-state) | 1.0 - 5.5 | ± 16 | 8.0 | -40 to 125 | | | | | • | • | | | | |
| 74LVC04A-Q100 | Hex inverter | 1.65 - 5.5 | ± 24 | 2.0 | -40 to 125 | • | • | • | | | | | | | |
| 74LVC06A-Q100 | Hex inverter; open-drain | 1.65 - 5.5 | 32 | 2.2 | -40 to 125 | • | • | • | | | | | | | |
| 74LVC07A-Q100 | Hex buffer; open-drain | 1.65 - 5.5 | 32 | 2.2 | -40 to 125 | • | • | • | | | | | | | |
| 74LVC125A-Q100 | Quad buffer/line driver (3-state) | 1.2 - 3.6 | ± 24 | 2.4 | -40 to 125 | • | • | • | | | | | | | |
| 74LVC126A-Q100 | Quad buffer/line driver (3-state) | 1.2 - 3.6 | ± 24 | 2.4 | -40 to 125 | • | • | • | | | | | | | |
| 74LVC541A-Q100 | Octal buffer/line driver (3-state) | 1.2 - 3.6 | ± 24 | 3.3 | -40 to 125 | | | | | • | • | • | | | |
| 74LVC16240A-Q100 | 16-bit inverter/line driver (3-state) | 1.2 - 3.6 | ± 24 | 2.7 | -40 to 125 | | | | | | | | | • | |
| 74LVC244A-Q100 | Octal buffer/line driver (3-state) | 1.2 - 3.6 | ± 24 | 2.8 | -40 to 125 | | | | | • | • | • | | | |
| 74LVCH244A-Q100 | Octal buffer/line driver with bus hold (3-state) | 1.2 - 3.6 | ± 24 | 2.8 | -40 to 125 | | | | | • | • | • | | | |
| 74LVC16244A-Q100 | 16-bit buffer/line driver (3-state) | 1.2 - 3.6 | ± 24 | 3.0 | -40 to 125 | | | | | | | | | • | • |
| 74LVCH16244A-Q100 | 16-bit buffer/line driver with bus hold (3-state) | 1.2 - 3.6 | ± 24 | 3.0 | -40 to 125 | | | | | | | | | • | • |
| 74LVCU04A-Q100 | Hex inverter; unbuffered | 1.2 - 3.6 | ± 24 | 2.0 | -40 to 125 | • | • | | | | | | | | |
| 74LVT04-Q100 | Hex inverter | 2.7 - 3.6 | -20 / +32 | 2.6 | -40 to 85 | • | • | | | | | | | | |
| 74LVT244A-Q100 | Octal buffer/line driver with bus hold (3-state) | 2.7 - 3.6 | -32 / +64 | 2.6 | -40 to 85 | | | | | • | • | • | | | |
| 74LVTH244A-Q100 | Octal buffer/line driver with bus hold (3-state) | 2.7 - 3.6 | -32 / +64 | 2.6 | -40 to 85 | | | | | • | • | • | | | |
| 74VHC126-Q100 | Quad buffer/line driver (3-state) | 2.0 - 5.5 | ± 8 | 3.3 | -40 to 125 | • | • | • | | | | | | | |
| 74VHCT126-Q100 | Quad buffer/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | ± 8 | 3.0 | -40 to 125 | • | • | • | | | | | | | |
| 74VHC541-Q100 | Octal buffer/line driver (3-state) | 2.0 - 5.5 | ± 8 | 3.5 | -40 to 125 | | | | | • | • | • | | | |
| 74VHCT541-Q100 | Octal buffer/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | ± 8 | 3.5 | -40 to 125 | | | | | • | • | • | | | |
| HEF4049B-Q100 | Hex inverter/line driver | 3.0 - 15.0 | -3 / +20 | 20 | -40 to 85 | | | | • | | | | | | |
| HEF4050B-Q100 | Hex buffer/line driver | 3.0 - 15.0 | -3 / +20 | 40 | -40 to 85 | | | | • | | | | | | |
| HEF4069UB-Q100 | Hex inverter; unbuffered | 3.0 - 15.0 | ± 3.4 | 15 | -40 to 85 | • | • | | | | | | | | |

Logic - Transceivers

| Type number | Description | Features | | | | Package (suffix) | | | | |
|-------------------|---|---------------------|---------------------|----------------------|-----------------------|------------------|---------------|---------------|----------------|----------------|
| | | V _{CC} (V) | I _O (mA) | t _{pd} (ns) | T _{amb} (°C) | SOT163-1 (D) | SOT360-1 (PW) | SOT764-1 (BQ) | SOT362-1 (DGG) | SOT480-1 (DGV) |
| 74AHC245-Q100 | Octal transceiver (3-state) | 2.0 - 5.5 | ± 8 | 3.5 | -40 to 125 | • | • | • | | |
| 74AHCT245-Q100 | Octal transceiver; TTL-enabled (3-state) | 4.5 - 5.5 | ± 8 | 5.0 | -40 to 125 | • | • | • | | |
| 74HC245-Q100 | Octal transceiver (3-state) | 2.0 - 6.0 | ± 7.8 | 7.0 | -40 to 125 | • | • | • | | |
| 74HCT245-Q100 | Octal transceiver; TTL-enabled (3-state) | 4.5 - 5.5 | ± 6 | 10 | -40 to 125 | • | • | • | | |
| 74LVC245A-Q100 | Octal transceiver (3-state) | 1.2 - 3.6 | ± 24 | 2.9 | -40 to 125 | • | • | • | | |
| 74LVCH245A-Q100 | Octal transceiver with bus hold (3-state) | 1.2 - 3.6 | ± 24 | 2.9 | -40 to 125 | • | • | • | | |
| 74LVC16245A-Q100 | 16-bit bus transceiver with diRection pin; 5 V tolerant (3-state) | 1.2 - 3.6 | ± 24 | 5.2 | -40 to 125 | | | | • | • |
| 74LVC162245A-Q100 | 16-bit transceiver with 30 Ω termination resistors (3-state) | 1.2 - 3.6 | ± 12 | 3.3 | -40 to 125 | | | | • | • |
| 74LVCH16245A-Q100 | 16-bit bus transceiver with bus hold with diRection pin; 5 V tolerant (3-state) | 1.2 - 3.6 | ± 24 | 5.2 | -40 to 125 | | | | • | • |

Logic - Gates

| Type number | Description | Features | | | | Package (suffix) | | | |
|----------------|---|---------------------|---------------------|----------------------|-----------------------|------------------|----------------|----------------|----------------|
| | | V _{cc} (V) | I _o (mA) | t _{pd} (ns) | T _{amb} (°C) | SOT108-1 (D) | SOT1402-1 (PW) | SOT1762-1 (BQ) | SOT1765-1 (DC) |
| 74AHC00-Q100 | Quad 2-input NAND gate | 2.0 - 5.5 | ± 8 | 3.2 | -40 to 125 | • | • | • | |
| 74AHCT00-Q100 | Quad 2-input NAND gate; TTL-enabled | 4.5 - 5.5 | ± 8 | 3.3 | -40 to 125 | • | • | • | |
| 74AHC02-Q100 | Quad 2-input NOR gate | 2.0 - 5.5 | ± 8 | 2.9 | -40 to 125 | • | • | • | |
| 74AHCT02-Q100 | Quad 2-input NOR gate; TTL-enabled | 4.5 - 5.5 | ± 8 | 3.8 | -40 to 125 | • | • | • | |
| 74AHC08-Q100 | Quad 2-input AND gate | 2.0 - 5.5 | ± 8 | 3.5 | -40 to 125 | • | • | • | |
| 74AHCT08-Q100 | Quad 2-input AND gate; TTL-enabled | 4.5 - 5.5 | ± 8 | 5.0 | -40 to 125 | • | • | • | |
| 74AHC30-Q100 | 8-input NAND gate | 2.0 - 5.5 | ± 8 | 3.6 | -40 to 125 | • | • | • | |
| 74AHCT30-Q100 | 8-input NAND gate; TTL-enabled | 4.5 - 5.5 | ± 8 | 3.3 | -40 to 125 | • | • | • | |
| 74AHC32-Q100 | Quad 2-input OR gate | 2.0 - 5.5 | ± 8 | 3.5 | -40 to 125 | • | • | • | |
| 74AHCT32-Q100 | Quad 2-input OR gate; TTL-enabled | 4.5 - 5.5 | ± 8 | 5.0 | -40 to 125 | • | • | • | |
| 74AHC86-Q100 | Quad 2-input EXCLUSIVE-OR gate | 2.0 - 5.5 | ± 8 | 3.4 | -40 to 125 | • | • | • | |
| 74AHCT86-Q100 | Quad 2-input EXCLUSIVE-OR gate; TTL-enabled | 4.5 - 5.5 | ± 8 | 3.4 | -40 to 125 | • | • | • | |
| 74ALVC00-Q100 | Quad 2-input NAND gate | 1.65 - 3.6 | ± 24 | 2.1 | -40 to 85 | • | • | • | |
| 74ALVC32-Q100 | Quad 2-input OR gate | 1.65 - 3.6 | ± 24 | 2.0 | -40 to 125 | • | • | • | |
| 74AUP2G00-Q100 | Dual 2-input NAND gate | 2.0 - 5.5 | ± 8 | 3.2 | -40 to 125 | | | | • |
| 74HC00-Q100 | Quad 2-input NAND gate | 2.0 - 6.0 | ± 5.2 | 7.0 | -40 to 125 | • | • | • | |
| 74HCT00-Q100 | Quad 2-input NAND gate; TTL-enabled | 4.5 - 5.5 | ± 4 | 10 | -40 to 125 | • | • | • | |
| 74HC02-Q100 | Quad 2-input NOR gate | 2.0 - 6.0 | ± 5.2 | 7.0 | -40 to 125 | • | • | • | |
| 74HCT02-Q100 | Quad 2-input NOR gate; TTL-enabled | 4.5 - 5.5 | ± 4 | 9.0 | -40 to 125 | • | • | • | |
| 74HC03-Q100 | Quad 2-input NAND gate; open-drain | 2.0 - 6.0 | 5.2 | 8.0 | -40 to 125 | • | • | | |
| 74HCT03-Q100 | Quad 2-input NAND gate; open-drain; TTL-enabled | 4.5 - 5.5 | ± 4 | 10 | -40 to 125 | • | • | | |
| 74HC08-Q100 | Quad 2-input AND gate | 2.0 - 6.0 | ± 5.2 | 7.0 | -40 to 125 | • | • | • | |
| 74HCT08-Q100 | Quad 2-input AND gate; TTL-enabled | 4.5 - 5.5 | ± 4 | 11 | -40 to 125 | • | • | • | |
| 74HC10-Q100 | Triple 3-input NAND gate | 2.0 - 6.0 | ± 5.2 | 9.0 | -40 to 125 | • | • | | |
| 74HCT10-Q100 | Triple 3-input NAND gate; TTL-enabled | 4.5 - 5.5 | ± 4 | 11 | -40 to 125 | • | • | | |

Logic - Schmitt-trigger IC's

| Type number | Description | Features | | | | Package (suffix) | | | | |
|----------------|---|--------------|------------|---------------|----------------|------------------|---------------|---------------|--------------|---------------|
| | | V_{CC} (V) | I_o (mA) | t_{pd} (ns) | T_{amb} (°C) | SOT108-1 (D) | SOT402-1 (PW) | SOT762-1 (BQ) | SOT163-1 (D) | SOT360-1 (PW) |
| 74AHC14-Q100 | Hex inverter Schmitt-trigger | 2.0 - 5.5 | ± 8 | 3.2 | -40 to 125 | • | • | • | | |
| 74AHCT14-Q100 | Hex inverter Schmitt-trigger; TTL-enabled | 4.5 - 5.5 | ± 8 | 4.0 | -40 to 125 | • | • | • | | |
| 74AHC132-Q100 | Quad 2-input NAND gate Schmitt-trigger | 2.0 - 5.5 | ± 8 | 3.3 | -40 to 125 | • | • | • | | |
| 74AHCT132-Q100 | Quad 2-input NAND gate Schmitt-trigger; TTL-enabled | 4.5 - 5.5 | ± 8 | 3.5 | -40 to 125 | • | • | • | | |
| 74HC7014-Q100 | Hex buffer precision Schmitt-trigger | 2.0 - 6.0 | ± 5.2 | 27 | -40 to 125 | • | | | | |
| 74HC14-Q100 | Hex inverter Schmitt-trigger | 2.0 - 6.0 | ± 5.2 | 12 | -40 to 125 | • | • | • | | |
| 74HCT14-Q100 | Hex inverter Schmitt-trigger; TTL-enabled | 4.5 - 5.5 | ± 4 | 17 | -40 to 125 | • | • | • | | |
| 74HC132-Q100 | Quad 2-input NAND gate Schmitt-trigger | 2.0 - 6.0 | ± 5.2 | 11 | -40 to 125 | • | • | • | | |
| 74HCT132-Q100 | Quad 2-input NAND gate Schmitt-trigger; TTL-enabled | 4.5 - 5.5 | ± 4 | 17 | -40 to 125 | • | • | | | |
| 74HC7541-Q100 | Octal buffer/line driver Schmitt-trigger (3-State) | 2.0 - 6.0 | ± 7.8 | 11 | -40 to 125 | | | | • | • |
| 74HCT7541-Q100 | Octal buffer/line driver Schmitt-trigger; TTL-enabled (3-State) | 4.5 - 5.5 | ± 6 | 16 | -40 to 125 | | | | • | • |
| 74LV132-Q100 | Quad 2-input NAND gate Schmitt-trigger | 1.0 - 5.5 | ± 12 | 10 | -40 to 125 | • | • | • | | |
| 74LV7032A-Q100 | Quad 2-input OR gate Schmitt-trigger | 2.0 - 5.5 | ± 12 | 4.3 | -40 to 125 | | • | | | |
| 74LVC14A-Q100 | Hex inverter Schmitt-trigger | 1.2 - 3.6 | ± 24 | 3.2 | -40 to 125 | • | • | • | | |
| 74LVC132A-Q100 | Quad 2-input NAND gate Schmitt-trigger | 1.2 - 3.6 | ± 24 | 3.4 | -40 to 125 | • | • | • | | |
| HEF4093B-Q100 | Quad 2-input NAND gate Schmitt-trigger | 3.0 - 15 | ± 24 | 30 | -40 to 125 | • | | | | |
| HEF40106B-Q100 | Hex inverter Schmitt-trigger | 4.5 - 15.5 | ± 2.4 | 30 | -40 to 85 | • | • | | | |

Logic - Flip-flops

| Type number | Description | Features | | | | Package (suffix) | | | | | | | | | |
|----------------|--|--------------|------------|---------------|----------------|------------------|---------------|---------------|--------------|---------------|--------------|---------------|---------------|---------------|----------------|
| | | V_{CC} (V) | I_o (mA) | t_{pd} (ns) | T_{amb} (°C) | SOT108-1 (D) | SOT402-1 (PW) | SOT762-1 (BQ) | SOT109-1 (D) | SOT403-1 (PW) | SOT163-1 (D) | SOT360-1 (PW) | SOT764-1 (BQ) | SOT815-1 (BQ) | SOT362-1 (DGG) |
| 74AHC74-Q100 | Dual D-type flip-flop with set and reset; positive-edge trigger | 2.0 - 5.5 | ± 8 | 3.7 | -40 to 125 | • | • | • | | | | | | | |
| 74AHCT74-Q100 | Dual D-type flip-flop with set and reset; positive-edge trigger; TTL-enabled | 4.5 - 5.5 | ± 8 | 3.3 | -40 to 125 | • | • | • | | | | | | | |
| 74AHC273-Q100 | Octal D-type flip-flop with reset; positive-edge trigger | 2.0 - 5.5 | ± 8 | 4.2 | -40 to 125 | | | | | | • | • | • | | |
| 74AHCT273-Q100 | Octal D-type flip-flop with reset; positive-edge trigger; TTL-enabled | 4.5 - 5.5 | ± 8 | 4.0 | -40 to 125 | | | | | | • | • | • | | |
| 74AHC374-Q100 | Octal D-type flip-flop; positive-edge trigger | 2.0 - 5.5 | ± 8 | 4.4 | -40 to 125 | | | | | | • | • | | | |
| 74AHCT374-Q100 | Octal D-type flip-flop; positive-edge trigger (3-state); TTL-enabled (3-state) | 4.5 - 5.5 | ± 8 | 4.3 | -40 to 125 | | | | | | • | • | | | |
| 74HC73-Q100 | Dual JK flip-flop with reset; negative-edge trigger | 2.0 - 6.0 | ± 5.2 | 16 | -40 to 125 | • | | | | | | | | | |
| 74HC74-Q100 | Dual D-type flip-flop with set and reset; positive-edge trigger | 2.0 - 6.0 | ± 5.2 | 14 | -40 to 125 | • | • | • | | | | | | | |
| 74HCT74-Q100 | Dual D-type flip-flop with set and reset; positive-edge trigger; TTL-enabled | 4.5 - 5.5 | ± 4 | 15 | -40 to 125 | • | • | • | | | | | | | |
| 74HC107-Q100 | Dual J-K flip-flop with reset; negative-edge trigger | 2.0 - 6.0 | ± 5.2 | 16 | -40 to 125 | • | • | | | | | | | | |
| 74HCT107-Q100 | Dual J-K flip-flop with reset; negative-edge trigger; TTL-enabled | 4.5 - 5.5 | ± 4 | 16 | -40 to 125 | • | | | | | | | | | |
| 74HC109-Q100 | Dual J-K flip-flop with set and reset; positive-edge trigger | 2.0 - 6.0 | ± 5.2 | 15 | -40 to 125 | | | | • | | | | | | |
| 74HCT109-Q100 | Dual J-K flip-flop with set and reset; positive-edge trigger; TTL-enabled | 4.5 - 5.5 | ± 4 | 17 | -40 to 125 | | | | • | • | | | | | |
| 74HC174-Q100 | Hex D-type flip-flop with reset; positive-edge trigger | 2.0 - 6.0 | ± 5.2 | 17 | -40 to 125 | | | | • | • | | | | | |

Logic - Flip-flops

| Type number | Description | Features | | | | Package (suffix) | | | | | | | | | |
|-------------------|---|---------------------|---------------------|----------------------|-----------------------|------------------|---------------|---------------|--------------|---------------|--------------|---------------|---------------|---------------|----------------|
| | | V _{CC} (V) | I _O (mA) | t _{pd} (ns) | T _{amb} (°C) | SOT108-1 (D) | SOT402-1 (PW) | SOT762-1 (BQ) | SOT109-1 (D) | SOT403-1 (PW) | SOT163-1 (D) | SOT360-1 (PW) | SOT764-1 (BQ) | SOT815-1 (BQ) | SOT362-1 (DGG) |
| 74HCT174-Q100 | Hex D-type flip-flop with reset; positive-edge trigger; TTL-enabled | 4.5 - 5.5 | ± 4 | 18 | -40 to 125 | | | | • | • | | | | | |
| 74HC175-Q100 | Quad D-type flip-flop with reset; positive-edge trigger | 2.0 - 6.0 | ± 5.2 | 17 | -40 to 125 | | | | • | • | | | | | |
| 74HCT175-Q100 | Quad D-type flip-flop with reset; positive-edge trigger; TTL-enabled | 4.5 - 5.5 | ± 4 | 16 | -40 to 125 | | | | • | • | | | | | |
| 74HC273-Q100 | Octal D-type flip-flop with reset; positive-edge trigger | 2.0 - 6.0 | ± 5.2 | 15 | -40 to 125 | | | | | | • | • | • | | |
| 74HCT273-Q100 | Octal D-type flip-flop with reset; positive-edge trigger; TTL-enabled | 4.5 - 5.5 | ± 4 | 15 | -40 to 125 | | | | | | • | • | • | | |
| 74HC377-Q100 | Octal D-type flip-flop with data enable; positive-edge trigger | 2.0 - 6.0 | ± 7.8 | 13 | -40 to 125 | | | | | | • | • | | | |
| 74HCT377-Q100 | Octal D-type flip-flop with data enable; positive-edge trigger; TTL-enabled | 4.5 - 5.5 | ± 6 | 14 | -40 to 125 | | | | | | • | • | | | |
| 74HC574-Q100 | Octal D-type flip-flop; positive-edge trigger (3-state) | 2.0 - 6.0 | ± 7.8 | 14 | -40 to 125 | | | | | | • | • | • | | |
| 74HCT574-Q100 | "Octal D-type flip-flop; positive-edge trigger; TTL-enabled (3-state)" | 4.5 - 5.5 | ± 6 | 15 | -40 to 125 | | | | | | • | • | | | |
| 74LV74-Q100 | Dual D-type flip-flop with set and reset; positive-edge trigger | 1.0 - 5.5 | ± 12 | 11 | -40 to 125 | • | • | | | | | | | | |
| 74LVC74A-Q100 | Dual D-type flip-flop with set and reset; positive-edge trigger | 1.2 - 3.6 | ± 24 | 2.5 | -40 to 125 | • | • | • | | | | | | | |
| 74LVC273-Q100 | Octal D-type flip-flop with reset; positive-edge trigger | 1.2 - 3.6 | ± 24 | 6 | -40 to 125 | | | | | | • | • | • | | |
| 74LVC374A-Q100 | Octal D-type flip-flop; positive-edge trigger (3-state) | 1.2 - 3.6 | ± 24 | 2.7 | -40 to 125 | | | | | | • | • | • | | |
| 74LVC573A-Q100 | Octal D-type transparent latch (3-state) | 1.2 - 3.6 | ± 24 | 3.4 | -40 to 125 | | | | | | • | • | • | | |
| 74LVC16374A-Q100 | 16-bit D-type flip-flop; positive-edge trigger (3-state) | 1.2 - 3.6 | ± 24 | 3.8 | -40 to 125 | | | | | | | | | | • |
| 74LVCH16374A-Q100 | 16-bit D-type flip-flop with bus hold; positive-edge trigger (3-state) | 1.2 - 3.6 | ± 24 | 3.8 | -40 to 125 | | | | | | | | | | • |
| HEF4013B-Q100 | Dual D-type flip-flop with set and reset; positive-edge trigger | 3.0 - 15 | ± 2.4 | 30 | -40 to 85 | • | • | | | | | | | | |
| HEF4027B-Q100 | Dual J-K flip-flop | 3.0 - 15 | ± 2.4 | 30 | -40 to 85 | | | | • | | | | | | |

Logic - Latches / Registered drivers

| Type number | Description | Features | | | | Package (suffix) | | | | | | | |
|-------------------|--|---------------------|---------------------|----------------------|-----------------------|------------------|---------------|---------------|--------------|---------------|---------------|----------------|----------------|
| | | V _{CC} (V) | I _O (mA) | t _{pd} (ns) | T _{amb} (°C) | SOT109-1 (D) | SOT403-1 (PW) | SOT763-1 (BQ) | SOT163-1 (D) | SOT360-1 (PW) | SOT764-1 (BQ) | SOT362-1 (DGG) | SOT480-1 (DGV) |
| 74AHC573-Q100 | Octal D-type transparent latch (3-state) | 2.0 - 5.5 | ± 8 | 4.2 | -40 to 125 | | | | • | • | • | | |
| 74AHCT573-Q100 | Octal D-type transparent latch; TTL-enabled (3-state) | 4.5 - 5.5 | ± 8 | 3.9 | -40 to 125 | | | | • | • | • | | |
| 74HC259-Q100 | 8 bit addressable latch | 2.0 - 6.0 | ± 5.2 | 18 | -40 to 125 | • | • | • | | | | | |
| 74HCT259-Q100 | 8 bit addressable latch; TTL-enabled | 4.5 - 5.5 | ± 4 | 20 | -40 to 125 | • | • | • | | | | | |
| 74HC373-Q100 | Octal D-type transparent latch (3-state) | 2.0 - 6.0 | ± 7.8 | 12 | -40 to 125 | | | | • | • | • | | |
| 74HCT373-Q100 | Octal D-type transparent latch; TTL-enabled (3-state) | 4.5 - 5.5 | ± 6 | 14 | -40 to 125 | | | | • | • | • | | |
| 74HC573-Q100 | Octal D-type transparent latch (3-state) | 2.0 - 6.0 | ± 7.8 | 14 | -40 to 125 | | | | • | • | • | | |
| 74HCT573-Q100 | Octal D-type transparent latch; TTL-enabled (3-state) | 4.5 - 5.5 | ± 6 | 17 | -40 to 125 | | | | • | • | • | | |
| 74LVC373A-Q100 | Octal D-type transparent latch (3-state) | 1.2 - 3.6 | ± 24 | 3.0 | -40 to 125 | | | | • | • | • | | |
| 74LVC16373A-Q100 | 16-bit D-type transparent latch (3-state) | 1.2 - 3.6 | ± 24 | 2.4 | -40 to 125 | | | | | | | • | • |
| 74LVCH16373A-Q100 | 16-bit D-type transparent latch with bushold (3-state) | 1.2 - 3.6 | ± 24 | 2.4 | -40 to 125 | | | | | | | • | • |
| HEF4043B-Q100 | Quad R/S latch with set and reset (3-state) | 3.0 - 15 | ± 2.4 | 25 | -40 to 85 | • | | | | | | | |

Logic - Shift Registers

| Type number | Description | Features | | | | Package (suffix) | | | | | | | |
|----------------|---|---------------------|---------------------|----------------------|-----------------------|------------------|---------------|---------------|--------------|---------------|---------------|--------------|---------------|
| | | V _{CC} (V) | I _O (mA) | t _{pd} (ns) | T _{amb} (°C) | SOT108-1 (D) | SOT402-1 (PW) | SOT762-1 (BQ) | SOT109-1 (D) | SOT403-1 (PW) | SOT763-1 (BQ) | SOT163-1 (D) | SOT360-1 (PW) |
| 74AHC164-Q100 | 8-bit serial-in/parallel-out shift register | 2.0 - 5.5 | ± 8 | 4.5 | -40 to 125 | • | • | • | | | | | |
| 74AHC164-Q100 | 8-bit serial-in/parallel-out shift register; TTL-enabled | 4.5 - 5.5 | ± 8 | 3.4 | -40 to 125 | • | • | • | | | | | |
| 74AHC594-Q100 | 8-bit serial-in/parallel-out shift register with output register | 2.0 - 5.5 | ± 8 | 4.1 | -40 to 125 | | | | • | • | • | | |
| 74AHC594-Q100 | 8-bit serial-in/parallel-out shift register with output register; TTL-enabled | 4.5 - 5.5 | ± 8 | 3.8 | -40 to 125 | | | | • | • | • | | |
| 74AHC595-Q100 | 8-bit serial-in/parallel-out shift register with output register (3-state) | 2.0 - 5.5 | ± 8 | 4.0 | -40 to 125 | | | | • | • | • | | |
| 74AHC595-Q100 | 8-bit serial-in/parallel-out shift register with output storage; TTL-enabled (3-state) | 4.5 - 5.5 | ± 8 | 3.8 | -40 to 125 | | | | • | • | • | | |
| 74HC164-Q100 | 8-bit serial-in/parallel-out shift register | 2.0 - 6.0 | ± 5.2 | 12 | -40 to 125 | • | • | • | | | | | |
| 74HCT164-Q100 | 8-bit serial-in/parallel-out shift register; TTL-enabled | 4.5 - 5.5 | ± 4 | 12 | -40 to 125 | • | • | • | | | | | |
| 74HC165-Q100 | 8-bit parallel or serial-in/serial-out shift register | 2.0 - 6.0 | ± 5.2 | 16 | -40 to 125 | | | | • | • | • | | |
| 74HCT165-Q100 | 8-bit parallel or serial-in/serial-out shift register; TTL-enabled | 4.5 - 5.5 | ± 4 | 14 | -40 to 125 | | | | • | • | • | | |
| 74HC166-Q100 | 8-bit parallel or serial-in/serial-out shift register | 2.0 - 6.0 | ± 5.2 | 15 | -40 to 125 | | | | • | • | | | |
| 74HCT166-Q100 | 8-bit parallel or serial-in/serial-out shift register; TTL-enabled | 4.5 - 5.5 | ± 4 | 23 | -40 to 125 | | | | • | | | | |
| 74HC299-Q100 | 8-bit universal shift register; 3-state | 2.0 - 6.0 | ± 7.8 | 15 | -40 to 125 | | | | | | | • | |
| 74HC594-Q100 | 8-bit serial-in/parallel-out shift register with output storage register | 2.0 - 6.0 | ± 7.8 | 14 | -40 to 125 | • | • | • | | | | | |
| 74HCT594-Q100 | 8-bit serial-in/parallel-out shift register with output storage register; TTL-enabled | 4.5 - 5.5 | ± 6 | 15 | -40 to 125 | | | | • | | | | |
| 74HC595-Q100 | 8-bit serial-in/parallel-out shift register with output storage register (3-state) | 2.0 - 6.0 | ± 7.8 | 16 | -40 to 125 | | | | • | • | • | | |
| 74HCT595-Q100 | 8-bit serial-in/parallel-out shift register with output storage register; TTL-enabled (3-state) | 4.5 - 5.5 | ± 6 | 25 | -40 to 125 | | | | • | • | • | | |
| 74HC597-Q100 | 8-bit parallel or serial-in/parallel-out shift register with parallel input register | 2.0 - 6.0 | ± 5.2 | 16 | -40 to 125 | | | | • | • | | | |
| 74HCT597-Q100 | 8-bit parallel or serial-in/parallel-out shift register with parallel input register; TTL-enabled | 4.5 - 5.5 | ± 4 | 20 | -40 to 125 | | | | • | | | | |
| 74HC4094-Q100 | 8-bit serial-in/serial or parallel-out shift register with output register (3-state) | 2.0 - 6.0 | ± 5.2 | 15 | -40 to 125 | | | | • | • | | | |
| 74HCT4094-Q100 | 8-bit serial-in/serial or parallel-out shift register with output register; TTL-enabled (3-state) | 4.5 - 5.5 | ± 4 | 19 | -40 to 125 | | | | • | | | | |
| 74LV164-Q100 | 8-bit serial-in/parallel-out shift register | 1.0 - 5.5 | ± 12 | 12 | -40 to 125 | • | • | • | | | | | |
| 74LV165-Q100 | 8-bit parallel or serial-in/serial-out shift register | 1.0 - 5.5 | ± 12 | 18 | -40 to 125 | | | | • | • | | | |
| 74LV165A-Q100 | 8-bit parallel or serial-in/serial-out shift register | 1.0 - 5.5 | ± 12 | 7.5 | -40 to 125 | | | | • | • | | | |
| 74LVC594A-Q100 | 8-bit serial-in/parallel-out shift register with output storage register | 1.2 - 5.5 | ± 24 | 3.1 | -40 to 125 | | | | • | • | • | | |
| 74VHC595-Q100 | 8-bit serial-in/parallel-out shift register with output storage register (3-state) | 2.0 - 5.5 | ± 8 | 4.0 | -40 to 125 | | | | • | • | • | | |
| 74VHCT595-Q100 | 8-bit serial-in/parallel-out shift register with output storage register; TTL-enabled (3-state) | 4.5 - 5.5 | ± 8 | 3.8 | -40 to 125 | | | | • | • | • | | |
| HEF4014B-Q100 | 8-bit shift register with synchronous parallel enable | 3.0 - 15 | ± 2.4 | 40 | -40 to 85 | | | | • | | | | |
| HEF4021B-Q100 | 8-bit shift register with asynchronous parallel load | 3.0 - 15 | ± 2.4 | 40 | -40 to 85 | | | | • | • | | | |
| HEF4094B-Q100 | 8-bit serial-in/serial or parallel-out shift register with output register (3-state) | 3.0 - 15 | ± 2.4 | 50 | -40 to 85 | | | | • | • | | | |
| HEF4794B-Q100 | 8-bit serial-in/serial or parallel-out shift register with output register LED driver (3-state) | 3.0 - 15 | -20 | 45 | -40 to 85 | | | | • | | | | |
| HEF4894B-Q100 | 12-bit serial-in/serial or parallel-out shift register with output register LED driver (3-state) | 3.0 - 15 | -20 | 45 | -40 to 85 | | | | | | | • | • |

Logic - Counter / Frequency dividers

| Type number | Description | Features | | | | Package (suffix) | | | | | |
|----------------|--|---------------------|---------------------|----------------------|-----------------------|------------------|---------------|---------------|--------------|---------------|---------------|
| | | V _{cc} (V) | I _o (mA) | t _{pd} (ns) | T _{amb} (°C) | SOT108-1 (D) | SOT402-1 (PW) | SOT762-1 (BQ) | SOT109-1 (D) | SOT403-1 (PW) | SOT763-1 (BQ) |
| 74HC161-Q100 | Presetable synchronous 4-bit binary counter; asynchronous reset | 2.0 - 6.0 | ± 5.2 | 19 | -40 to 125 | | | | • | • | |
| 74HC193-Q100 | Presetable synchronous 4-bit binary up/down counter | 2.0 - 6.0 | ± 5.2 | 20 | -40 to 125 | | | | • | • | |
| 74HCT193-Q100 | Presetable synchronous 4-bit binary up/down counter; TTL-enabled | 4.5 - 5.5 | ± 4.0 | 20 | -40 to 125 | | | | • | • | |
| 74HC393-Q100 | Dual 4-bit binary ripple counter | 2.0 - 6.0 | ± 5.2 | 12 | -40 to 125 | • | • | • | | | |
| 74HCT393-Q100 | Dual 4-bit binary ripple counter; TTL-enabled | 4.5 - 5.5 | ± 4.0 | 20 | -40 to 125 | • | • | • | | | |
| 74HC4017-Q100 | Johnson decade counter with 10 decoded outputs | 2.0 - 6.0 | ± 5.2 | 18 | -40 to 125 | | | | • | • | • |
| 74HCT4017-Q100 | Johnson decade counter with 10 decoded outputs; TTL-enabled | 4.5 - 5.5 | ± 4.0 | 21 | -40 to 125 | | | | • | | • |
| 74HC4020-Q100 | 14-stage binary ripple counter | 2.0 - 6.0 | ± 5.2 | 11 | -40 to 125 | | | | • | • | • |
| 74HCT4020-Q100 | 14-stage binary ripple counter; TTL-enabled | 4.5 - 5.5 | ± 4.0 | 15 | -40 to 125 | | | | • | • | • |
| 74HC4024-Q100 | 7-stage binary ripple counter | 2.0 - 6.0 | ± 5.2 | 14 | -40 to 125 | • | | | | | |
| 74HC4040-Q100 | 12-stage binary ripple counter | 2.0 - 6.0 | ± 5.2 | 14 | -40 to 125 | | | | • | • | • |
| 74HCT4040-Q100 | 12-stage binary ripple counter; TTL-enabled | 4.5 - 5.5 | ± 4.0 | 16 | -40 to 125 | | | | • | • | • |
| 74HC4060-Q100 | 14-stage binary ripple counter with oscillator | 2.0 - 6.0 | ± 5.2 | 31 | -40 to 125 | | | | • | • | • |
| 74HCT4060-Q100 | 14-stage binary ripple counter with oscillator; TTL-enabled | 4.5 - 5.5 | ± 4.0 | 31 | -40 to 125 | | | | • | | • |
| 74HC4520-Q100 | Dual 4-bit synchronous binary counter | 2.0 - 6.0 | ± 5.2 | 24 | -40 to 125 | | | | • | • | |
| 74HCT4520-Q100 | Dual 4-bit synchronous binary counter; TTL-enabled | 4.5 - 5.5 | ± 4.0 | 24 | -40 to 125 | | | | • | | |
| 74LV393-Q100 | Dual 4-bit binary ripple counter | 1.0 - 3.6 | ± 6 | 12 | -40 to 125 | • | • | | | | |
| 74LV4060-Q100 | 14-stage binary ripple counter with oscillator | 1.0 - 5.5 | ± 6 | 29 | -40 to 125 | | | | • | • | |
| HEF4017B-Q100 | 5-stage Johnson decade counter | 3.0 - 15 | ± 2.4 | 40 | -40 to 85 | | | | • | | |
| HEF4020B-Q100 | 14-stage binary ripple counter | 3.0 - 15 | ± 2.4 | 30 | -40 to 85 | | | | • | | |
| HEF4040B-Q100 | 12-stage binary ripple counter | 3.0 - 15 | ± 2.4 | 35 | -40 to 85 | | | | • | | |
| HEF4060B-Q100 | 14-stage binary ripple counter with oscillator | 3.0 - 15 | ± 2.4 | 50 | -40 to 85 | | | | • | | |
| HEF4520B-Q100 | Dual 4-bit synchronous binary counter | 3.0 - 15 | ± 2.4 | 15 | -40 to 85 | | | | • | | |
| HEF4541B-Q100 | Programmable timer | 3.0 - 15 | - 4/ + 2.7 | 38 | -40 to 85 | • | | | | | |

Logic - Decoders / Demultiplexers

| Type number | Description | Features | | | | Package (suffix) | | | |
|----------------|---|--------------|------------|---------------|----------------|------------------|---------------|---------------|---------------|
| | | V_{CC} (V) | I_o (mA) | t_{pd} (ns) | T_{amb} (°C) | SOT109-1 (D) | SOT403-1 (PW) | SOT763-1 (BQ) | SOT355-1 (PW) |
| 74AHC138-Q100 | 3-to-8 line decoder/demultiplexer; inverting | 2.0 - 5.5 | ± 8 | 4.4 | -40 to 125 | • | • | • | |
| 74AHCT138-Q100 | 3-to-8 line decoder/demultiplexer; inverting; TTL-enabled | 4.5 - 5.5 | ± 8 | 4.4 | -40 to 125 | • | • | • | |
| 74AHC139-Q100 | Dual 2-to-4 line decoder/demultiplexer | 2.0 - 5.5 | ± 8 | 3.9 | -40 to 125 | • | • | | |
| 74AHCT139-Q100 | Dual 2-to-4 line decoder/demultiplexer; TTL-enabled | 4.5 - 5.5 | ± 8 | 3.6 | -40 to 125 | • | • | | |
| 74HC237-Q100 | 3-to-8 decoder/demultiplexer with address latches | 2.0 - 6.0 | ± 5.2 | 18 | -40 to 125 | • | | | |
| 74HC138-Q100 | 3-to-8 line decoder/demultiplexer; inverting | 2.0 - 6.0 | ± 5.2 | 12 | -40 to 125 | • | • | • | |
| 74HCT138-Q100 | 3-to-8 line decoder/demultiplexer; inverting; TTL-enabled | 4.5 - 5.5 | ± 4 | 19 | -40 to 125 | • | • | • | |
| 74HC139-Q100 | Dual 2-to-4 line decoder/demultiplexer | 2.0 - 6.0 | ± 5.2 | 14 | -40 to 125 | • | • | | |
| 74HCT139-Q100 | Dual 2-to-4 line decoder/demultiplexer; TTL-enabled | 4.5 - 5.5 | ± 4 | 16 | -40 to 125 | • | • | | |
| 74HC238-Q100 | 3-to-8 decoder/demultiplexer | 2.0 - 6.0 | ± 5.2 | 14 | -40 to 125 | • | • | • | |
| 74HCT238-Q100 | 3-to-8 decoder/demultiplexer; TTL-enabled | 4.5 - 5.5 | ± 4 | 18 | -40 to 125 | • | • | • | |
| 74HC4514-Q100 | 4-to-16 decoder/demultiplexer with address latches | 2.0 - 6.0 | ± 5.2 | 27 | -40 to 125 | | | | • |
| 74LVC138A-Q100 | 3-to-8 line decoder/demultiplexer; inverting | 1.2 - 3.6 | ± 24 | 2.7 | -40 to 125 | • | • | • | |
| HEF4555B-Q100 | Dual 1-to-4 line decoder/demultiplexer | 3.0 - 15 | ± 2.4 | 30 | -40 to 85 | • | | | |

Logic - Digital multiplexers

| Type number | Description | Features | | | | Package (suffix) | | |
|----------------|---|--------------|------------|---------------|----------------|------------------|---------------|---------------|
| | | V_{CC} (V) | I_o (mA) | t_{pd} (ns) | T_{amb} (°C) | SOT109-1 (D) | SOT403-1 (PW) | SOT763-1 (BQ) |
| 74AHC157-Q100 | Quad 2-input multiplexer | 2.0 - 5.5 | ± 8 | 3.2 | -40 to 125 | • | • | • |
| 74AHCT157-Q100 | Quad 2-input multiplexer; TTL-enabled | 4.5 - 5.5 | ± 8 | 3.2 | -40 to 125 | • | • | • |
| 74AHC257-Q100 | Quad 2-input multiplexer (3-State) | 2.0 - 5.5 | ± 8 | 2.9 | -40 to 125 | • | • | |
| 74AHCT257-Q100 | Quad 2-input multiplexer; TTL-enabled (3-State) | 4.5 - 5.5 | ± 8 | 3.7 | -40 to 125 | • | • | |
| 74HC151-Q100 | 8-input multiplexer | 2.0 - 6.0 | ± 5.2 | 17 | -40 to 125 | • | • | |
| 74HCT151-Q100 | 8-input multiplexer; TTL-enabled | 4.5 - 5.5 | ± 4 | 19 | -40 to 125 | • | • | |
| 74HC153-Q100 | Dual 4-input multiplexer | 2.0 - 6.0 | ± 5.2 | 17 | -40 to 125 | • | • | |
| 74HCT153-Q100 | Dual 4-input multiplexer; TTL-enabled | 4.5 - 5.5 | ± 4 | 19 | -40 to 125 | • | • | |
| 74HC157-Q100 | Quad 2-input multiplexer | 2.0 - 6.0 | ± 5.2 | 11 | -40 to 125 | • | • | • |
| 74HCT157-Q100 | Quad 2-input multiplexer; TTL-enabled | 4.5 - 5.5 | ± 4 | 13 | -40 to 125 | • | • | • |
| 74HC251-Q100 | 8-input multiplexer (3-State) | 2.0 - 6.0 | ± 5.2 | 18 | -40 to 125 | • | • | |
| 74HCT251-Q100 | 8-input multiplexer; TTL-enabled (3-State) | 4.5 - 5.5 | ± 4 | 22 | -40 to 125 | • | • | |
| 74HC253-Q100 | Dual 4-input multiplexer (3-State) | 2.0 - 6.0 | ± 7.8 | 17 | -40 to 125 | • | | |
| 74HCT253-Q100 | Dual 4-input multiplexer; TTL-enabled (3-State) | 4.5 - 5.5 | ± 6 | 17 | -40 to 125 | • | | |
| 74HC257-Q100 | Quad 2-input multiplexer (3-State) | 2.0 - 6.0 | ± 7.8 | 11 | -40 to 125 | • | • | |
| 74HCT257-Q100 | Quad 2-input multiplexer; TTL-enabled (3-State) | 4.5 - 5.5 | ± 6 | 13 | -40 to 125 | • | • | |
| 74LVC157A-Q100 | Quad 2-input multiplexer | 1.2 - 3.6 | ± 24 | 2.5 | -40 to 125 | • | • | • |

Logic - Specialty logic

| Type number | Description | Features | | | | Package (suffix) | | |
|----------------|---|---------------------|---------------------|----------------------|-----------------------|------------------|---------------|---------------|
| | | V _{CC} (V) | I _o (mA) | t _{pd} (ns) | T _{amb} (°C) | SOT109-1 (D) | SOT403-1 (PW) | SOT763-1 (BQ) |
| 74AHC123A-Q100 | Dual retriggerable monostable multivibrator with reset | 2.0 - 5.5 | ± 8 | 5.1 | -40 to 125 | • | • | • |
| 74AHT123A-Q100 | Dual retriggerable monostable multivibrator with reset; TTL-enabled | 4.5 - 5.5 | ± 8 | 5.0 | -40 to 125 | • | • | • |
| 74HC123-Q100 | Dual retriggerable monostable multivibrator with reset | 2.0 - 6.0 | ± 7.8 | 9.0 | -40 to 125 | • | • | • |
| 74HCT123-Q100 | Dual retriggerable monostable multivibrator with reset; TTL-enabled | 4.5 - 5.5 | ± 4 | 26 | -40 to 125 | • | • | |
| 74HC4538-Q100 | Dual retriggerable precision monostable multivibrator | 2.0 - 6.0 | ± 5.2 | 27 | -40 to 125 | • | • | |
| 74HCT4538-Q100 | Dual retriggerable precision monostable multivibrator; TTL-enabled | 4.5 - 5.5 | ± 4 | 30 | -40 to 125 | • | • | |
| HEF4047B-Q100 | Retriggerable astable multivibrator | 3.0 - 15 | ± 2.4 | 50 | -40 to 85 | • | | |
| HEF4528B-Q100 | Dual retriggerable monostable multivibrator with reset | 3.0 - 15 | ± 2.4 | 40 | -40 to 85 | • | | |
| HEF4538B-Q100 | Dual retriggerable precision monostable multivibrator | 3.0 - 15 | ± 2.4 | 60 | -40 to 85 | • | | |

Voltage translators (Level-shifters)

| Type number | Description | Features | | | | Package (suffix) | | | | | | | | | | | | | |
|-------------------|---|------------------------|------------------------|---------------------|-----------------------|------------------|----------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|---|
| | | V _{CC(A)} (V) | V _{CC(B)} (V) | I _o (mA) | T _{amb} (°C) | SOT1174-1 (GU12) | SOT1161-1 (GU) | SOT109-1 (D) | SOT402-1 (PW) | SOT403-1 (PW) | SOT360-1 (PW) | SOT355-1 (PW) | SOT762-1 (BQ) | SOT763-1 (BQ) | SOT764-1 (BQ) | SOT815-1 (BQ) | SOT362-1 (DCG) | SOT480-1 (DCV) | |
| 74ALVC164245-Q100 | 16-bit dual-supply voltage level translating transceiver (3-state) | 1.5 - 5.5 | 1.5 - 3.6 | ± 24 | -40 to 125 | | | | | | | | | | | | | | |
| 74AVC4T245-Q100 | 4-bit dual-supply voltage level translating transceiver (3-state) | 0.8 - 3.6 | 0.8 - 3.6 | ± 12 | -40 to 125 | | • | • | | • | | | | • | | | | | |
| 74AVC4T3144-Q100 | 4-bit dual-supply voltage-translating buffer (3-state) | 0.8 - 3.6 | 0.8 - 3.6 | ± 12 | -40 to 125 | | • | | | • | | | | • | | | | | |
| 74AVC4T774-Q100 | 4-bit dual supply translating transceiver (3-state) | 0.8 - 3.6 | 0.8 - 3.6 | ± 12 | -40 to 125 | • | | | | | | | | | | | | | |
| 74AVC4TD245-Q100 | 4-bit dual-supply voltage-translating transceiver (3-state) | 0.8 - 3.6 | 0.8 - 3.6 | ± 12 | -40 to 125 | | | | | | | | | • | | | | | |
| 74AVC8T245-Q100 | 8-bit dual-supply voltage level translating transceiver (3-state) | 0.8 - 3.6 | 0.8 - 3.6 | ± 12 | -40 to 125 | | | | | | | | | | • | | | | |
| 74AVC16T245-Q100 | 16-bit dual-supply voltage level translating transceiver (3-state) | 0.8 - 3.6 | 0.8 - 3.6 | ± 12 | -40 to 125 | | | | | | | | | | | | | | • |
| 74AVCH4T245-Q100 | 4-bit dual-supply voltage translating transceiver with bus hold (3-state) | 0.8 - 3.6 | 0.8 - 3.6 | ± 12 | -40 to 125 | | | • | | • | | | | • | | | | | |
| 74LVC4T3144-Q100 | 4-bit dual supply buffer/line driver (3-state) | 1.2 to 5.5 | 1.2 to 5.5 | ± 24 | -40 to 125 | | | | | | | | | | | | | | |
| 74LVC4245A-Q100 | 8-bit dual-supply voltage translating transceiver (3-state) | 1.5 - 5.5 | 1.5 - 3.6 | ± 24 | -40 to 125 | | | | | | | | | • | | | | | • |
| 74LVC8T245-Q100 | 8-bit dual-supply voltage translating transceiver (3-state) | 1.2 - 5.5 | 1.2 - 5.5 | ± 24 | -40 to 125 | | | | | | | | | • | | | | | • |
| 74LVCH8T245-Q100 | 8-bit dual-supply voltage translating transceiver with bus hold (3-state) | 1.2 - 5.5 | 1.2 - 5.5 | ± 24 | -40 to 125 | | | | | | | | | • | | | | | • |
| HEF4104B-Q100 | Quad low-to-high voltage translator (3-state) | 3.0 - 15.0 | 3.0 - 15.0 | ± 2.4 | -40 to 85 | | | | | | | | | | | | | | • |
| LSF0108-Q100 | 8-bit bidirectional multi-voltage level translator; open-drain; push-pull | 0.95 - 5.0 | 0.95 - 5.0 | +64 | -40 to 125 | | | | | | | | | | | | | | • |
| LSF0204-Q100 | 4-bit bidirectional multi-voltage level translator; open-drain; push-pull | 0.95 - 5.0 | 0.95 - 5.0 | +64 | -40 to 125 | • | | | | • | | | | | | | | | |
| NXB0104-Q100 | 4-bit Dual supply translating transceiver; auto direction sensing; 3-state | 1.2 - 3.6 | 1.65 - 5.5 | ± 0.02 | -40 to 125 | • | | | | • | | | | • | | | | | |
| NXB0106-Q100 | 6-bit Dual supply translating transceiver; auto direction sensing; 3-state | 1.2 - 3.6 | 1.65 - 5.5 | ± 0.02 | -40 to 125 | | | | | | | | | • | | | | | • |
| NXB0108-Q100 | 8-bit Dual supply translating transceiver; auto direction sensing; 3-state | 1.2 - 3.6 | 1.65 - 5.5 | ± 0.02 | -40 to 125 | | | | | | | | | • | | | | | • |
| NXS0104-Q100 | 4-bit Dual supply translating transceiver; open drain; auto direction sensing | 1.65 - 3.6 | 2.3 - 5.5 | -0.02/+1 | -40 to 125 | • | | | | • | | | | • | | | | | |
| NXS0108-Q100 | 8-bit Dual supply translating transceiver; open drain; auto direction sensing | 1.65 - 3.6 | 2.3 - 5.5 | -0.02/+1 | -40 to 125 | | | | | | | | | • | | | | | • |
| NXS0506-Q100 | SD 3.0-compatible memory card integrated auto-direction control and level translator with EMI filter and ESD protection | 1.1 - 1.95 | 1.7 - 3.6 | ± 2 | -40 to 85 | | • | | | | | | | | | | | | |

Voltage translators (Level-shifters)

| Type number | Description | Features | | | | Package (suffix) | | | | | | | | | | | | | |
|--------------|---|------------------------|------------------------|---------------------|-----------------------|------------------|----------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|--|
| | | V _{CC(A)} (V) | V _{CC(B)} (V) | I _o (mA) | T _{amb} (°C) | SOT1174-1 (GU12) | SOT1161-1 (GU) | SOT109-1 (D) | SOT402-1 (PW) | SOT403-1 (PW) | SOT360-1 (PW) | SOT355-1 (PW) | SOT762-1 (BQ) | SOT763-1 (BQ) | SOT764-1 (BQ) | SOT815-1 (BQ) | SOT362-1 (DGG) | SOT480-1 (DGV) | |
| NXU1014-Q100 | 4-bit dual-supply voltage level translating buffer with Schmitt-trigger | 0.09 - 5.5 | 0.09 - 5.5 | +/-25 | -40 to 125 | • | | | • | | | | | | | | | | |
| NXU0204-Q100 | 4-bit dual-supply voltage level translating buffer with Schmitt-trigger | 0.09 - 5.5 | 0.09 - 5.5 | +/-25 | -40 to 125 | • | | | • | | | | | | | | | | |
| NXU0304-Q100 | 4-bit dual-supply voltage level translating buffer with Schmitt-trigger | 0.09 - 5.5 | 0.09 - 5.5 | +/-25 | -40 to 125 | • | | | • | | | | | | | | | | |

Analog switches and multiplexers - Analog switches

| Type number | Description | Features | | | | | Package (suffix) | | | | | | | | | | | | |
|----------------|--|---------------|---------------------|---------------------|----------------------------|-----------------------|------------------|---------------|---------------|--------------|---------------|---------------|---------------|---------------|--------------|--|--|---|---|
| | | Configuration | V _{CC} (V) | R _{ON} (Ω) | R _{ON} (FLAT) (Ω) | T _{amb} (°C) | SOT108-1 (D) | SOT402-1 (PW) | SOT762-1 (BQ) | SOT109-1 (D) | SOT403-1 (PW) | SOT763-1 (BQ) | SOT355-1 (PW) | SOT815-1 (BQ) | SOT163-1 (D) | | | | |
| 74HC4051-Q100 | Single-pole, octal-throw analog switch | SP8T-Z | 2.0 - 10.0 | 200 | 20 | -40 to 125 | | | | | • | • | • | | | | | | |
| 74HCT4051-Q100 | Single-pole, octal-throw analog switch; TTL-enabled | SP8T-Z | 4.5 - 5.5 | 225 | 20 | -40 to 125 | | | | | • | • | • | | | | | | |
| 74HC4052-Q100 | Dual single-pole, quad-throw analog switch | SP4T-Z | 2.0 - 10.0 | 200 | 20 | -40 to 125 | | | | | | | | | | | | | |
| 74HCT4052-Q100 | Dual single-pole, quad-throw analog switch; TTL-enabled | SP4T-Z | 4.5 - 5.5 | 200 | 20 | -40 to 125 | | | | | | | | | | | | | |
| 74HC4053-Q100 | Triple single-pole, double-throw analog switch | SPDT-Z | 2.0 - 10.0 | 200 | 20 | -40 to 125 | | | | | | | | | | | | | |
| 74HCT4053-Q100 | Triple single-pole, double-throw analog switch; TTL-enabled | SPDT-Z | 4.5 - 5.5 | 200 | 20 | -40 to 125 | | | | | | | | | | | | | |
| 74HC4066-Q100 | Quad single-pole, single-throw analog switch | SPST-NO | 2.0 - 10.0 | 105 | 23 | -40 to 125 | • | • | • | | | | | | | | | | |
| 74HCT4066-Q100 | Quad single-pole, single-throw analog switch; TTL-enabled | SPST-NO | 4.5 - 5.5 | 118 | 23 | -40 to 125 | • | • | • | | | | | | | | | | |
| 74HC4067-Q100 | Single-pole, 16-throw analog switch | SP16T-Z | 2.0 - 10.0 | 200 | 25 | -40 to 125 | | | | | | | | | | | | • | • |
| 74HCT4067-Q100 | Single-pole, 16-throw analog switch; TTL-enabled | SP16T-Z | 4.5 - 5.5 | 225 | 25 | -40 to 125 | | | | | | | | | | | | • | • |
| 74HC4351-Q100 | Single-pole, octal-throw analog switch with latch | SP8T-Z | 2.0 - 10.0 | 200 | 20 | -40~125 | | | | | | | | | | | | | • |
| 74HCT4351-Q100 | Single-pole, octal-throw analog switch with latch; TTL enabled | SP8T-Z | 4.5 - 5.5 | 225 | 20 | -40~125 | | | | | | | | | | | | | • |
| 74HCT4316-Q100 | Quad single-pole, single-throw analog switch with translation; TTL enabled | SPST-NO | 4.5 - 5.5 | 400 | 50 | -40~125 | | | | | | | | | | | | | |
| 74HC4851-Q100 | Single-pole, octal-throw analog switch | SP8T-Z | 2.0 - 10.0 | 220 | - | -40 to 125 | | | | | | | | | | | | | |
| 74HCT4851-Q100 | Single-pole, octal-throw analog switch; TTL-enabled | SP8T-Z | 4.5 - 5.5 | 240 | - | -40 to 125 | | | | | | | | | | | | | |
| 74HC4852-Q100 | Dual single-pole, quad-throw analog switch | SP4T-Z | 2.0 - 10.0 | 220 | - | -40 to 125 | | | | | | | | | | | | | |
| 74HCT4852-Q100 | Dual single-pole, quad-throw analog switch; TTL-enabled | SP4T-Z | 4.5 - 5.5 | 240 | - | -40 to 125 | | | | | | | | | | | | | |
| 74LV4051-Q100 | 8-channel analog multiplexer/demultiplexer | SP8T-Z | 1.0 - 6.0 | 135 | 35 | -40 to 125 | | | | | | | | | | | | | |
| 74LV4052-Q100 | Dual single-pole, quad-throw analog switch | SP4T-Z | 1.0 - 6.0 | 125 | 15 | -40 to 125 | | | | | | | | | | | | | |
| 74LV4053-Q100 | Triple single-pole, double-throw analog switch | SPDT-Z | 1.0 - 6.0 | 150 | 30 | -40 to 125 | | | | | | | | | | | | | |
| 74LVC4066-Q100 | Quad single-pole, single-throw analog switch | SPST-NO | 1.65 - 5.5 | 15 | 1.5 | -40 to 125 | • | • | • | | | | | | | | | | |
| HEF4051B-Q100 | Single-pole, octal-throw analog switch | SP8T-Z | 3.0 - 15 | 175 | 30 | -40 to 85 | | | | | | | | | | | | | |
| HEF4052B-Q100 | Dual single-pole, quad-throw analog switch | SP4T-Z | 3.0 - 15 | 175 | 30 | -40 to 85 | | | | | | | | | | | | | |
| HEF4053B-Q100 | Triple single-pole, double-throw analog switch | SPDT-Z | 3.0 - 15 | 175 | 30 | -40 to 85 | | | | | | | | | | | | | |
| HEF4066B-Q100 | Quad single-pole, single-throw analog switch | SPST-NO | 3.0 - 15 | 175 | 20 | -40 to 85 | • | | | | | | | | | | | | |
| HEF4067B-Q100 | Single-pole, 16-throw analog switch | SP16T-Z | 3.0 - 15 | 175 | 20 | -40 to 85 | | | | | | | | | | | | | • |
| NMUX1308-Q100 | Single-pole octal-throw analog switch; injection current control | SP8T-Z | 1.5 - 5.5 | 60 | - | -40 to 125 | | | | | | | | | | | | | • |
| NMUX1309-Q100 | Dual single-pole quad-throw analog switch; injection current control | 2 x SP4T-Z | 1.5 - 5.5 | 60 | - | -40 to 125 | | | | | | | | | | | | | • |

Analog switches and multiplexers - Bus switches

| Type number | Description | Features | | | | Package (suffix) | | | | | | | | |
|-------------------|---|---------------------|-----------------------|---------------------|-----------------------|------------------|---------------|--------------|---------------|---------------|--------------|---------------|---------------|---------------|
| | | V _{CC} (V) | V _{PASS} (V) | R _{ON} (Ω) | T _{amb} (°C) | SOT402-1 (PW) | SOT762-1 (BQ) | SOT109-1 (D) | SOT403-1 (PW) | SOT763-1 (BQ) | SOT163-1 (D) | SOT360-1 (PW) | SOT764-1 (BQ) | SOT355-1 (PW) |
| 74CBTLV3125-Q100 | Quad bus switch | 2.3 - 3.6 | 3.3 | 7 | -40 to 125 | • | • | | | | | | | |
| 74CBTLV3126-Q100 | Quad bus switch | 2.3 - 3.6 | 3.3 | 7 | -40 to 125 | • | • | | | | | | | |
| 74CBTLV3244-Q100 | 4-bit bus switch with four output enables | 2.3 - 3.6 | 3.3 | 7 | -40 to 125 | | | | | | | | • | |
| 74CBTLV3245-Q100 | 8-bit bus switch with one output enable | 2.3 - 3.6 | 3.3 | 7 | -40 to 125 | | | | | | | • | • | |
| 74CBTLVD3245-Q100 | Octal bus switch level translator | 3.0 - 3.6 | 1.8 | 7 | -40 to 125 | | | | | | | | • | |
| CBT3245A-Q100 | Octal bus switch | 4.0 - 5.5 | 3.9 | 7 | -40 to 85 | | | | | | | | • | |
| CBTD3384-Q100 | 10-bit bus switch level translator | 4.5 - 5.5 | 3.3 | 7 | -40~85 | | | | | | | | | • |

Analog switches and multiplexers - Multiplexers / Demultiplexers

| Type number | Description | Features | | | | Package (suffix) | | | | | |
|------------------|--|---------------------|-----------------------|---------------------|-----------------------|------------------|---------------|--------------|---------------|---------------|--|
| | | V _{CC} (V) | V _{PASS} (V) | R _{ON} (Ω) | T _{amb} (°C) | SOT402-1 (PW) | SOT762-1 (BQ) | SOT109-1 (D) | SOT403-1 (PW) | SOT763-1 (BQ) | |
| 74CB3Q3257-Q100 | Quad 1-of-2 FET multiplexer/demultiplexer with charge pump | 2.3 - 3.6 | 3.3 | 4 | -40 to 85 | | | | | • | |
| 74CBTLV3253-Q100 | Dual 4:1 mux/demux | 2.3 - 3.6 | 3.3 | 7 | -40 to 125 | | | • | • | • | |
| 74CBTLV3257-Q100 | Quad 2:1 mux/demux | 2.3 - 3.6 | 3.3 | 7 | -40 to 125 | | | • | • | • | |
| CBT3257A-Q100 | Quad 1-of-2 multiplexer/demultiplexer | 4.0 - 5.5 | 3.9 | 7 | -40 to 85 | | | | | • | |

Interface - I²C general purpose I/O (GPIO)

| Type number | Description | Features | | | | Package (suffix) | |
|----------------|--|------------------------|------------------------|---------------------|-----------------------|------------------|---------------|
| | | V _{CC(A)} (V) | V _{CC(B)} (V) | I _O (mA) | T _{amb} (°C) | SOT355-1 (PW) | SOT804-1 (BY) |
| NCA9535BY-Q100 | Low-voltage 16-Bit I ² C and SMBus low-power I/O expander with interrupt output and configuration registers | 1.65 - 5.5 | n.a. | - 10 / 25 | -40~125 | • | |
| NCA9535PW-Q100 | Low-voltage 16-Bit I ² C and SMBus low-power I/O expander with interrupt output and configuration registers | 1.65 - 5.5 | n.a. | - 10 / 25 | -40~125 | | • |
| NCA9539BY-Q100 | Low-voltage 16-Bit I ² C and SMBus low-power I/O expander with interrupt output, reset pin and configuration registers | 1.65 - 5.5 | n.a. | - 10 / 25 | -40~125 | • | |
| NCA9539PW-Q100 | Low-voltage 16-Bit I ² C and SMBus low-power I/O expander with interrupt output, reset pin and configuration registers | 1.65 - 5.5 | n.a. | - 10 / 25 | -40~125 | | • |
| NCA9555BY-Q100 | Low-voltage 16-bit I ² C and SMBus I/O expander with interrupt output and configuration registers | 1.65 - 5.5 | n.a. | - 10 / 25 | -40~125 | • | |
| NCA9555PW-Q100 | Low-voltage 16-bit I ² C and SMBus I/O expander with interrupt output and configuration registers | 1.65 - 5.5 | n.a. | - 10 / 25 | -40~125 | | • |
| NCA9595PW-Q100 | Low voltage 16-Bit I ² C and SMBus I/O expander with interrupt output, configuration registers and programmable pull-up resistors | 1.65 - 5.5 | n.a. | - 10 / 25 | -40~125 | • | |

Q100 Functions and Mini-Logic Packages (≤ 10 pins)

Logic - Buffers / Inverters

| Type number | Description | Features | | | | Package (suffix) | | | | | | | | |
|------------------|--|--------------|------------|----------------|--------------------------|------------------|-------------|-------------|-------------|---------------|---------------|-------------|--------------|----------------|
| | | V_{CC} (V) | I_o (mA) | t_{Fid} (ns) | T_{mb} ($^{\circ}$ C) | SOT353-1 (GW) | SOT753 (GV) | SOT363 (GW) | SOT457 (GV) | SOT505-2 (DP) | SOT765-1 (DC) | SOT886 (GM) | SOT1202 (GS) | SOT8065-1 (GZ) |
| 74AHC1GU04-Q100 | Single inverter; unbuffered | 2.0 - 5.5 | ± 8 | 2.6 | -40 to 125 | • | • | | | | | | | • |
| 74AHC3GU04-Q100 | Triple inverter; unbuffered | 2.0 - 5.5 | ± 8 | 2.5 | -40 to 125 | | | | | • | • | | | |
| 74AHC1G04-Q100 | Single inverter | 2.0 - 5.5 | ± 8 | 3.1 | -40 to 125 | • | • | | | | | | | • |
| 74AHCT1G04-Q100 | Single inverter; TTL-enabled | 4.5 - 5.5 | ± 8 | 3.4 | -40 to 125 | • | • | | | | | | | • |
| 74AHC1G07-Q100 | Single buffer; open-drain | 2.0 - 5.5 | 8 | 4.2 | -40 to 125 | • | • | | | | | | | • |
| 74AHC1G17-Q100 | Single buffer with Schmitt-trigger inputs | 2.0 - 5.5 | ± 8 | 3.2 | -40 to 125 | • | | | | | | | | • |
| 74AHCT1G17-Q100 | Single buffer with Schmitt-trigger inputs; TTL-enabled | 4.5 - 5.5 | ± 8 | 4.1 | -40 to 125 | • | | | | | | | | • |
| 74AHC1G125-Q100 | Single buffer/line driver (3-state) | 2.0 - 5.5 | ± 8 | 3.4 | -40 to 125 | • | • | | | | | | | • |
| 74AHCT1G125-Q100 | Single buffer/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | ± 8 | 3.4 | -40 to 125 | • | • | | | | | | | • |
| 74AHC1G126-Q100 | Single buffer/line driver (3-state) | 2.0 - 5.5 | ± 8 | 3.4 | -40 to 125 | • | • | | | | | | | • |
| 74AHCT1G126-Q100 | Single buffer/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | ± 8 | 3.4 | -40 to 125 | • | • | | | | | | | • |
| 74AHC2G125-Q100 | Dual buffer/line driver (3-state) | 2.0 - 5.5 | ± 8 | 3.4 | -40 to 125 | | | | | • | • | | | |
| 74AHCT2G125-Q100 | Dual buffer/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | ± 8 | 3.4 | -40 to 125 | | | | | • | • | | | |
| 74AHC2G126-Q100 | Dual buffer/line driver (3-state) | 2.0 - 5.5 | ± 8 | 3.4 | -40 to 125 | | | | | • | • | | | |
| 74AHCT2G126-Q100 | Dual buffer/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | ± 8 | 3.4 | -40 to 125 | | | | | • | | | | |
| 74AHC2G241-Q100 | Dual buffer/line driver (3-state) | 2.0 - 5.5 | ± 8 | 3.4 | -40 to 125 | | | | | • | • | | | |
| 74AHCT2G241-Q100 | Dual buffer/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | ± 8 | 3.4 | -40 to 125 | | | | | • | | | | |
| 74AHC3G04-Q100 | Triple inverter | 2.0 - 5.5 | ± 8 | 3.1 | -40 to 125 | | | | | • | • | | | |
| 74AHCT3G04-Q100 | Triple inverter; TTL-enabled | 4.5 - 5.5 | ± 8 | 3.0 | -40 to 125 | | | | | • | | | | |
| 74AUP1G04-Q100 | Single inverter | 1.1 - 3.6 | ± 1.9 | 4.0 | -40 to 125 | • | • | | | | | | | • |
| 74AUP1G06-Q100 | Single inverter; open-drain | 1.1 - 3.6 | 1.9 | 4.5 | -40 to 125 | • | | | | | | | | • |
| 74AUP1G07-Q100 | Buffer; open-drain | 0.8 - 3.6 | 1.9 | 4.5 | -40 to 125 | • | | | | | | | | • |
| 74AUP1G34-Q100 | Single buffer | 1.1 - 3.6 | ± 1.9 | 3.9 | -40 to 125 | • | | | | | | | | • |
| 74AUP1G125-Q100 | Single buffer/line driver (3-state) | 1.1 - 3.6 | ± 1.9 | 4.3 | -40 to 125 | • | | | | | | • | • | • |
| 74AUP2G04-Q100 | Dual inverter | 1.1 - 3.6 | ± 1.9 | 4.0 | -40 to 125 | | | • | | | | | | |
| 74AUP2GU04-Q100 | Dual inverter; unbuffered | 1.1 - 3.6 | ± 1.9 | 2.3 | -40 to 125 | | | • | | | | • | | |
| 74HC1GU04-Q100 | Single inverter; unbuffered | 2.0 - 6.0 | ± 2.6 | 5.0 | -40 to 125 | • | • | | | | | | | |
| 74HC2GU04-Q100 | Dual inverter; unbuffered | 2.0 - 6.0 | ± 5.2 | 5.0 | -40 to 125 | | | • | • | | | | | |
| 74HC3GU04-Q100 | Triple inverter; unbuffered | 2.0 - 6.0 | ± 5.2 | 6.0 | -40 to 125 | | | | | • | • | | | |
| 74HC1G04-Q100 | Single inverter | 2.0 - 6.0 | ± 2.6 | 7.0 | -40 to 125 | • | • | | | | | | | |
| 74HCT1G04-Q100 | Single inverter; TTL-enabled | 4.5 - 5.5 | ± 2.0 | 8.0 | -40 to 125 | • | • | | | | | | | |
| 74HC1G125-Q100 | Single buffer/line driver (3-state) | 2.0 - 6.0 | ± 2.6 | 9.0 | -40 to 125 | • | • | | | | | | | |
| 74HCT1G125-Q100 | Single buffer/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | ± 2.0 | 10 | -40 to 125 | • | • | | | | | | | |

Logic - Buffers / Inverters

| Type number | Description | Features | | | | Package (suffix) | | | | | | | | |
|-----------------|--|---------------------|---------------------|----------------------|-----------------------|------------------|-------------|-------------|-------------|---------------|---------------|-------------|--------------|----------------|
| | | V _{CC} (V) | I _O (mA) | t _{pd} (ns) | T _{amb} (°C) | SOT353-1 (GW) | SOT753 (GV) | SOT363 (GW) | SOT457 (GV) | SOT505-2 (DP) | SOT765-1 (DC) | SOT886 (GM) | SOT1202 (GS) | SOT8065-1 (GZ) |
| 74HC2G04-Q100 | Dual inverter | 2.0 - 6.0 | ± 5.2 | 8.0 | -40 to 125 | | | • | • | | | | | |
| 74HCT2G04-Q100 | Dual inverter; TTL-enabled | 4.5 - 5.5 | ± 4.0 | 10 | -40 to 125 | | | • | • | | | | | |
| 74HC2G34-Q100 | Dual buffer | 2.0 - 6.0 | ± 5.2 | 9.0 | -40 to 125 | | | • | • | | | | | |
| 74HCT2G34-Q100 | Dual buffer; TTL-enabled | 4.5 - 5.5 | ± 4.0 | 10 | -40 to 125 | | | • | • | | | | | |
| 74HC2G125-Q100 | Dual buffer/line driver (3-state) | 2.0 - 6.0 | ± 5.2 | 10 | -40 to 125 | | | | | • | • | | | |
| 74HCT2G125-Q100 | Dual buffer/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | ± 4.0 | 12 | -40 to 125 | | | | | • | • | | | |
| 74HC3G04-Q100 | Triple inverter | 2.0 - 6.0 | ± 5.2 | 8.0 | -40 to 125 | | | | | • | • | | | |
| 74HCT3G04-Q100 | Triple inverter; TTL-enabled | 4.5 - 5.5 | ± 4.0 | 10 | -40 to 125 | | | | | • | • | | | |
| 74HC3G07-Q100 | Triple buffer; open-drain | 2.0 - 6.0 | 5.2 | 9.0 | -40 to 125 | | | | | • | • | | | |
| 74HCT3G07-Q100 | Triple buffer; open-drain; TTL-enabled | 4.5 - 5.5 | 4 | 9.0 | -40 to 125 | | | | | • | • | | | |
| 74HC3G34-Q100 | Triple buffer | 2.0 - 6.0 | ± 5.2 | 9.0 | -40 to 125 | | | | | • | • | | | |
| 74HCT3G34-Q100 | Triple buffer; TTL-enabled | 4.5 - 5.5 | ± 4.0 | 10 | -40 to 125 | | | | | • | • | | | |
| 74LV1T04-Q100 | Single supply translating inverter | 1.6 - 5.5 | ± 8.0 | 6.2 | -40 to 125 | • | • | | | | | | | |
| 74LV1T34-Q100 | Single supply translating buffer | 1.6 - 5.5 | ± 8.0 | 6.3 | -40 to 125 | • | • | | | | | | | • |
| 74LVC1G04-Q100 | Single inverter | 1.65 - 5.5 | ± 32 | 2.0 | -40 to 125 | • | • | | | | | | | • |
| 74LVC1G16-Q100 | Single buffer | 1.65 - 5.5 | ± 32 | 2.0 | -40 to 125 | • | | | | | | | | |
| 74LVC1G06-Q100 | Single inverter; open-drain | 1.65 - 5.5 | 32 | 2.3 | -40 to 125 | • | • | | | | | | | • |
| 74LVC1G07-Q100 | Single buffer; open-drain | 1.65 - 5.5 | 32 | 2.2 | -40 to 125 | • | • | | | | | | • | • |
| 74LVC1G34-Q100 | Single buffer | 1.65 - 5.5 | ± 32 | 2.0 | -40 to 125 | • | • | | | | | | | • |
| 74LVC1G125-Q100 | Single buffer/line driver (3-state) | 1.65 - 5.5 | ± 32 | 2.1 | -40 to 125 | • | • | | | | • | | | • |
| 74LVC1G126-Q100 | Single buffer/line driver (3-state) | 1.65 - 5.5 | ± 32 | 2.0 | -40 to 125 | • | • | | | | | | | • |
| 74LVC1G240-Q100 | Single inverter/line driver (3-state) | 1.65 - 5.5 | ± 32 | 2.1 | -40 to 125 | • | | | | | | | | |
| 74LVC1GU04-Q100 | Single inverter; unbuffered | 1.65 - 5.5 | ± 32 | 1.6 | -40 to 125 | • | • | | | | | | | • |
| 74LVC2G04-Q100 | Dual inverter | 1.65 - 5.5 | ± 32 | 2.7 | -40 to 125 | | | • | • | | | | • | |
| 74LVC2G06-Q100 | Dual inverter; open-drain | 1.65 - 5.5 | 32 | 2.3 | -40 to 125 | | | • | • | | | | | |
| 74LVC2G07-Q100 | Dual buffer; open-drain | 1.65 - 5.5 | 32 | 2.6 | -40 to 125 | | | • | • | | | | | |
| 74LVC2G34-Q100 | Dual buffer | 1.65 - 5.5 | ± 32 | 2.3 | -40 to 125 | • | • | | | | | • | | |
| 74LVC2G125-Q100 | Dual buffer/line driver (3-state) | 1.65 - 5.5 | ± 32 | 2.3 | -40 to 125 | | | | | • | • | | | |
| 74LVC2G126-Q100 | Dual buffer/line driver (3-state) | 1.65 - 5.5 | ± 32 | 2.4 | -40 to 125 | | | | | • | • | | | |
| 74LVC2G240-Q100 | Dual inverter/line driver (3-state) | 1.65 - 5.5 | ± 32 | 2.5 | -40 to 125 | | | | | • | • | | | |
| 74LVC2G241-Q100 | Dual buffer/line driver (3-state) | 1.65 - 5.5 | ± 32 | 2.6 | -40 to 125 | | | | | • | • | | | |
| 74LVC2GU04-Q100 | Dual inverter; unbuffered | 1.65 - 5.5 | ± 32 | 2.3 | -40 to 125 | | | • | • | • | | | | |
| 74LVC3G04-Q100 | Triple inverter | 1.65 - 5.5 | ± 32 | 2.7 | -40 to 125 | | | | | • | • | | | |
| 74LVC3G07-Q100 | Triple buffer; open-drain | 1.65 - 5.5 | 32 | 2.1 | -40 to 125 | | | | | • | • | | | |
| 74LVC3G34-Q100 | Triple buffer | 1.65 - 5.5 | ± 32 | 2.2 | -40 to 125 | | | | | • | • | | | |
| 74LVC3GU04-Q100 | Triple unbuffered inverter | 1.65 - 5.5 | ± 32 | 2.3 | -40 to 125 | | | | | • | | | | |

Logic - Gates

| Type number | Description | Features | | | | Package (suffix) | | | | | | | | | |
|----------------|--|---------------------|---------------------|----------------------|-----------------------|------------------|-------------|-------------|-------------|---------------|---------------|-------------|--------------|--------------|----------------|
| | | V _{CC} (V) | I _O (mA) | t _{pd} (ns) | T _{amb} (°C) | SOT353-1 (GW) | SOT753 (GV) | SOT363 (GW) | SOT457 (GV) | SOT505-2 (DP) | SOT765-1 (DC) | SOT886 (GM) | SOT1203 (GS) | SOT1160 (GU) | SOT8065-1 (GZ) |
| 74AHC1G09-Q100 | Single 2-input AND gate; open-drain | 2.0 - 5.5 | ± 8 | 3.2 | -40 to 125 | • | • | | | | | | | | • |
| 74AHC1G00-Q100 | Single 2-input NAND gate | 2.0 - 5.5 | ± 8 | 3.5 | -40 to 125 | • | • | | | | | | | | • |
| 74AHC1G00-Q100 | Single 2-input NAND gate; TTL-enabled | 4.5 - 5.5 | ± 8 | 3.6 | -40 to 125 | • | • | | | | | | | | • |
| 74AHC1G02-Q100 | Single 2-input NOR gate | 2.0 - 5.5 | ± 8 | 3.2 | -40 to 125 | • | • | | | | | | | | • |
| 74AHC1G02-Q100 | Single 2-input NOR gate; TTL-enabled | 4.5 - 5.5 | ± 8 | 3.5 | -40 to 125 | • | • | | | | | | | | • |
| 74AHC1G08-Q100 | Single 2-input AND gate | 2.0 - 5.5 | ± 8 | 3.2 | -40 to 125 | • | • | | | | | | | | • |
| 74AHC1G08-Q100 | Single 2-input AND gate; TTL-enabled | 4.5 - 5.5 | ± 8 | 3.6 | -40 to 125 | • | • | | | | | | | | • |
| 74AHC1G32-Q100 | Single 2-input OR gate | 2.0 - 5.5 | ± 8 | 3.2 | -40 to 125 | • | • | | | | | | | | • |
| 74AHC1G32-Q100 | Single 2-input OR gate; TTL-enabled | 4.5 - 5.5 | ± 8 | 3.3 | -40 to 125 | • | • | | | | | | | | • |
| 74AHC1G86-Q100 | 2-input EXCLUSIVE-OR gate | 2.0 - 5.5 | ± 8 | 3.4 | -40 to 125 | • | • | | | | | | | | • |
| 74AHC1G86-Q100 | 2-input EXCLUSIVE-OR gate; TTL-enabled | 4.5 - 5.5 | ± 8 | 3.5 | -40 to 125 | • | • | | | | | | | | • |
| 74AHC2G00-Q100 | Dual 2-input NAND gate | 2.0 - 5.5 | ± 8 | 3.5 | -40 to 125 | | | | | • | • | | | | |
| 74AHC2G00-Q100 | Dual 2-input NAND gate; TTL-enabled | 4.5 - 5.5 | ± 8 | 3.6 | -40 to 125 | | | | | | • | | | | |
| 74AHC2G08-Q100 | Dual 2-input AND gate | 2.0 - 5.5 | ± 8 | 3.2 | -40 to 125 | | | | | • | • | | | | |
| 74AHC2G08-Q100 | Dual 2-Input AND gate; TTL-enabled | 4.5 - 5.5 | ± 8 | 3.6 | -40 to 125 | | | | | • | • | | | | |
| 74AHC2G32-Q100 | Dual 2-input OR gate | 2.0 - 5.5 | ± 8 | 3.2 | -40 to 125 | | | | | • | • | | | | |
| 74AHC2G32-Q100 | Dual 2-input OR gate; TTL-enabled | 4.5 - 5.5 | ± 8 | 3.3 | -40 to 125 | | | | | • | • | | | | |
| 74AUP1G00-Q100 | Single 2-input NAND gate | 1.1 - 3.6 | ± 1.9 | 8.3 | -40 to 125 | • | | | | | | | | | • |
| 74AUP1G02-Q100 | Single 2-input NOR gate | 1.1 - 3.6 | ± 1.9 | 8.2 | -40 to 125 | • | | | | | | | | | • |
| 74AUP1G08-Q100 | Single 2-input AND gate | 1.1 - 3.6 | ± 1.9 | 8.2 | -40 to 125 | • | | | | | • | | | | • |
| 74AUP1G09-Q100 | Single 2-input AND gate; open-drain | 2.0 - 5.5 | ± 8 | 3.2 | -40 to 125 | • | | | | | | | | | • |
| 74AUP1G32-Q100 | Single 2-input OR gate | 1.1 - 3.6 | ± 1.9 | 7.9 | -40 to 125 | • | | | | | • | | | | • |
| 74AUP1G86-Q100 | Single 2-input EXCLUSIVE-OR gate | 1.1 - 3.6 | ± 1.9 | 3.3 | -40 to 125 | • | | | | | | | | | |
| 74AUP1Z04-Q100 | Crystal driver with enable and internal resistor | 1.1 - 3.6 | ± 1.9 | 5.6 | -40 to 125 | | | • | | | | | | | |
| 74AUP2G00-Q100 | Dual 2-input NAND gate | 1.1 - 3.6 | ± 1.9 | 8.3 | -40 to 125 | | | | | | • | | | | |
| 74AUP2G57-Q100 | Configurable gate; Schmitt-trigger | 1.1 - 3.6 | ± 1.9 | 8.7 | -40 to 125 | | | | | | | | | • | |
| 74HC1G86-Q100 | Single 2-input EXCLUSIVE-OR gate | 2.0 - 6.0 | ± 2.6 | 9.0 | -40 to 125 | • | • | | | | | | | | • |
| 74HCT1G86-Q100 | Single 2-input EXCLUSIVE-OR gate | 4.5 - 5.5 | ± 2 | 10 | -40 to 125 | • | • | | | | | | | | • |
| 74HC1G00-Q100 | Single 2-input NAND gate | 2.0 - 6.0 | ± 2.6 | 7.0 | -40 to 125 | • | • | | | | | | | | • |
| 74HCT1G00-Q100 | Single 2-input NAND gate; TTL-enabled | 4.5 - 5.5 | ± 2 | 10 | -40 to 125 | • | • | | | | | | | | • |
| 74HC1G02-Q100 | Single 2-input NOR gate | 2.0 - 6.0 | ± 2.6 | 7.0 | -40 to 125 | • | • | | | | | | | | • |
| 74HCT1G02-Q100 | Single 2-input NOR gate; TTL-enabled | 4.5 - 5.5 | ± 2.0 | 9.0 | -40 to 125 | • | • | | | | | | | | • |
| 74HC1G08-Q100 | Single 2-input AND gate | 2.0 - 6.0 | ± 5.2 | 7.0 | -40 to 125 | • | • | | | | | | | | • |
| 74HCT1G08-Q100 | Single 2-input AND gate; TTL-enabled | 4.5 - 5.5 | ± 2 | 11 | -40 to 125 | • | • | | | | | | | | • |
| 74HC1G32-Q100 | Single 2-input OR gate | 2.0 - 6.0 | ± 2.6 | 8.0 | -40 to 125 | • | • | | | | | | | | • |
| 74HCT1G32-Q100 | Single 2-input OR gate; TTL-enabled | 4.5 - 5.5 | ± 2.0 | 10 | -40 to 125 | • | • | | | | | | | | • |
| 74HC2G00-Q100 | Dual 2-input NAND gate | 2.0 - 6.0 | ± 5.6 | 9.0 | -40 to 125 | | | | | • | • | | | | |
| 74HCT2G00-Q100 | Dual 2-input NAND gate; TTL-enabled | 4.5 - 5.5 | ± 4 | 12 | -40 to 125 | | | | | • | • | | | | |
| 74HC2G02-Q100 | Dual 2-input NOR gate | 2.0 - 6.0 | ± 5.2 | 9.0 | -40 to 125 | | | | | • | • | | | | |

Logic - Gates

| Type number | Description | Features | | | | Package (suffix) | | | | | | | | |
|-----------------|---|---------------------|---------------------|----------------------|-----------------------|------------------|-------------|-------------|-------------|---------------|---------------|-------------|--------------|----------------|
| | | V _{CC} (V) | I _O (mA) | t _{pd} (ns) | T _{amb} (°C) | SOT353-1 (GW) | SOT753 (GV) | SOT363 (GW) | SOT457 (GV) | SOT505-2 (DP) | SOT765-1 (DC) | SOT886 (GM) | SOT1203 (GS) | SOT8065-1 (GZ) |
| 74HCT2G02-Q100 | Dual 2-input NOR gate; TTL-enabled | 4.5 - 5.5 | ± 4 | 12 | -40 to 125 | | | | | • | • | | | |
| 74HC2G08-Q100 | Dual 2-input AND gate | 2.0 - 6.0 | ± 5.2 | 9.0 | -40 to 125 | | | | | • | • | | | |
| 74HCT2G08-Q100 | Dual 2-Input AND gate; TTL-enabled | 4.5 - 5.5 | ± 4 | 14 | -40 to 125 | | | | | • | • | | | |
| 74HC2G32-Q100 | Dual 2-input OR gate | 2.0 - 6.0 | ± 5.2 | 9.0 | -40 to 125 | | | | | • | • | | | |
| 74HCT2G32-Q100 | Dual 2-input OR gate; TTL-enabled | 4.5 - 5.5 | ± 4.0 | 13 | -40 to 125 | | | | | • | • | | | |
| 74HC2G86-Q100 | Dual 2-input EXCLUSIVE-OR gate | 2.0 - 6.0 | ± 5.2 | 9.0 | -40 to 125 | | | | | • | • | | | |
| 74HCT2G86-Q100 | Dual 2-input EXCLUSIVE-OR gate; TTL-enabled | 4.5 - 5.5 | ± 4.0 | 11 | -40 to 125 | | | | | • | • | | | |
| 74LVC1G00-Q100 | Single 2-input NAND gate | 1.65 - 5.5 | ± 32 | 2.2 | -40 to 125 | • | • | | | | | | | • |
| 74LVC1G02-Q100 | Single 2-input NOR gate | 1.65 - 5.5 | ± 32 | 2.1 | -40 to 125 | • | • | | | | | | | • |
| 74LVC1G08-Q100 | Single 2-input AND gate | 1.65 - 5.5 | ± 32 | 2.1 | -40 to 125 | • | • | | | | | • | | • |
| 74LVC1G10-Q100 | Single 3-input NAND gate | 1.65 - 5.5 | ± 32 | 2.6 | -40 to 125 | | | • | | | | | | |
| 74LVC1G11-Q100 | Single 3-input AND gate | 1.65 - 5.5 | ± 32 | 2.6 | -40 to 125 | | | • | • | | | | | |
| 74LVC1G27-Q100 | Single 3-input NOR gate | 1.65 - 5.5 | ± 32 | 2.6 | -40 to 125 | | | • | | | | | | |
| 74LVC1G32-Q100 | Single 2-input OR gate | 1.65 - 5.5 | ± 32 | 2.1 | -40 to 125 | • | • | | | | | • | | • |
| 74LVC1G38-Q100 | Single 2-input NAND gate; open-drain | 1.65 - 5.5 | 32 | 2.3 | -40 to 125 | • | • | | | | | | | • |
| 74LVC1G57-Q100 | Configurable gate; Schmitt-trigger | 1.65 - 5.5 | ± 32 | 3.8 | -40 to 125 | | | • | • | | | | | |
| 74LVC1G58-Q100 | Configurable gate; Schmitt-trigger | 1.65 - 5.5 | ± 32 | 3.8 | -40 to 125 | | | • | • | | | | | |
| 74LVC1G86-Q100 | Single 2-input EXCLUSIVE-OR gate | 1.65 - 5.5 | ± 32 | 2.4 | -40 to 125 | • | • | | | | | | | • |
| 74LVC1G97-Q100 | Configurable gate; Schmitt-trigger | 1.65 - 5.5 | ± 32 | 6.3 | -40 to 125 | | | • | | | | | | |
| 74LVC1G98-Q100 | Configurable gate; Schmitt-trigger | 1.65 - 5.5 | ± 32 | 6.3 | -40 to 125 | | | | • | | | | | |
| 74LVC1G332-Q100 | Single 3-input OR gate | 1.65 - 5.5 | ± 32 | 2.6 | -40 to 125 | | | • | • | | | | | |
| 74LVC1GX04-Q100 | Crystal driver | 1.65 - 5.5 | ± 24 | 2.8 | -40 to 125 | | | • | • | | | | | |
| 74LVC2G00-Q100 | Dual 2-input NAND gate | 1.65 - 5.5 | ± 32 | 2.2 | -40 to 125 | | | | | | • | | | |
| 74LVC2G02-Q100 | Dual 2-input NOR gate | 1.65 - 5.5 | ± 32 | 2.4 | -40 to 125 | | | | | • | • | | | |
| 74LVC2G08-Q100 | Dual 2-input AND gate | 1.65 - 5.5 | ± 24 | 2.1 | -40 to 125 | | | | | • | • | | • | |
| 74LVC2G32-Q100 | Dual 2-input OR gate | 1.65 - 5.5 | ± 32 | 2.2 | -40 to 125 | | | | | • | • | | | |
| 74LVC2G86-Q100 | Dual 2-input EXCLUSIVE-OR gate | 1.65 - 5.5 | ± 32 | 2.3 | -40 to 125 | | | | | • | • | | | |

Logic - Schmitt-trigger IC's

| Type number | Description | Features | | | | Package (suffix) | | | | | | | | |
|-----------------|--|---------------------|---------------------|----------------------|-----------------------|------------------|-------------|-------------|-------------|---------------|---------------|-------------|-----------------|----------------|
| | | V _{CC} (V) | I _O (mA) | t _{pd} (ns) | T _{amb} (°C) | SOT353-1 (GW) | SOT753 (GV) | SOT363 (GW) | SOT457 (GV) | SOT505-2 (DP) | SOT765-1 (DC) | SOT886 (GM) | SOT1269-2 (GX4) | SOT8065-1 (GZ) |
| 74AHC1G14-Q100 | Single inverter Schmitt-trigger | 2.0 - 5.5 | ± 8 | 3.2 | -40 to 125 | • | • | | | | | | | • |
| 74AHCT1G14-Q100 | Single inverter Schmitt-trigger; TTL-enabled | 4.5 - 5.5 | ± 8 | 4.1 | -40 to 125 | • | • | | | | | | | • |
| 74AHC3G14-Q100 | Triple inverter Schmitt-trigger | 2.0 - 5.5 | ± 8 | 3.2 | -40 to 125 | | | | | • | • | | | |
| 74AHCT3G14-Q100 | Triple inverter Schmitt-trigger; TTL-enabled | 4.5 - 5.5 | ± 8 | 4.1 | -40 to 125 | | | | | • | • | | | |
| 74AUP1G14-Q100 | Low-power Schmitt trigger inverter | 0.8 - 3.6 | ± 1.9 | 3.7 | -40 to 125 | | | | | | | | • | |
| 74AUP1G17-Q100 | Low-power Schmitt trigger | 0.8 - 3.6 | ± 1.9 | 3.6 | -40 to 125 | • | | | | | | | | |
| 74AUP1G132-Q100 | Single 2-input NAND gate; Schmitt-trigger | 1.1 - 3.6 | ± 1.9 | 10 | -40 to 125 | • | | | | | | | | • |
| 74HC1G14-Q100 | Single inverter Schmitt-trigger | 2.0 - 6.0 | ± 2.6 | 10 | -40 to 125 | • | • | | | | | | | |
| 74HCT1G14-Q100 | Single inverter Schmitt-trigger; TTL-enabled | 4.5 - 5.5 | ± 2.0 | 15 | -40 to 125 | • | • | | | | | | | |
| 74HC2G14-Q100 | Dual inverter Schmitt-trigger | 2.0 - 6.0 | ± 5.2 | 16 | -40 to 125 | | | • | • | | | | | |
| 74HCT2G14-Q100 | Dual inverter Schmitt-trigger; TTL-enabled | 4.5 - 5.5 | ± 4.0 | 21 | -40 to 125 | | | • | • | | | | | |
| 74HC2G17-Q100 | Dual buffer Schmitt-trigger | 2.0 - 6.0 | ± 5.2 | 12 | -40 to 125 | | | • | • | | | | | |
| 74HCT2G17-Q100 | Dual buffer Schmitt-trigger; TTL-enabled | 4.5 - 5.5 | ± 4.0 | 21 | -40 to 125 | | | • | • | | | | | |
| 74HC3G14-Q100 | Triple inverter Schmitt-trigger | 2.0 - 6.0 | ± 5.2 | 16 | -40 to 125 | | | | | • | • | | | |
| 74HCT3G14-Q100 | Triple inverter Schmitt-trigger; TTL-enabled | 4.5 - 5.5 | ± 4.0 | 21 | -40 to 125 | | | | | • | • | | | |
| 74LVC1G14-Q100 | Single inverter Schmitt-trigger | 1.65 - 5.5 | ± 32 | 3.0 | -40 to 125 | • | • | | | | | • | • | • |
| 74LVC1G17-Q100 | Single buffer Schmitt-trigger | 1.65 - 5.5 | ± 32 | 3.0 | -40 to 125 | • | • | | | | | • | | • |
| 74LVC2G14-Q100 | Dual inverter Schmitt-trigger | 1.65 - 5.5 | ± 32 | 3.9 | -40 to 125 | | | • | • | | | • | | |
| 74LVC2G17-Q100 | Dual buffer Schmitt-trigger | 1.65 - 5.5 | ± 32 | 3.6 | -40 to 125 | | | • | • | | | | | |
| 74LVC3G17-Q100 | Triple buffer Schmitt-trigger | 1.65 - 5.5 | ± 32 | 3.6 | -40 to 125 | | | | | • | • | | | |

Logic - Flip-flops

| Type number | Description | Features | | | | Package (suffix) | | | | | | | |
|-----------------|---|---------------------|---------------------|----------------------|-----------------------|------------------|-------------|-------------|-------------|---------------|---------------|-------------|----------------|
| | | V _{CC} (V) | I _o (mA) | t _{pd} (ns) | T _{amb} (°C) | SOT353-1 (GW) | SOT753 (GV) | SOT363 (GW) | SOT457 (GV) | SOT505-2 (DP) | SOT765-1 (DC) | SOT833 (GT) | SOT8065-1 (GZ) |
| 74AHC1G79-Q100 | Single D-type flip-flop; positive-edge trigger | 2.0 - 5.5 | ± 8 | 3.5 | -40 to 125 | • | • | | | | | | |
| 74AHCT1G79-Q100 | Single D-type flip-flop; positive-edge trigger; TTL-enabled | 4.5 - 5.5 | ± 8 | 3.5 | -40 to 125 | • | • | | | | | | • |
| 74AUP1G74-Q100 | Single D-type flip-flop with set and reset; positive-edge trigger | 1.1 - 3.6 | ± 1.9 | 8.1 | -40 to 125 | | | | | | • | | |
| 74AUP1G175-Q100 | Single D flip-flop with reset; positive-edge trigger | 1.1 - 3.6 | ± 1.9 | 7.4 | -40 to 125 | | | • | | | | | |
| 74AUP1G374-Q100 | Single D-type flip-flop; positive-edge trigger (3-state) | 1.1 - 3.6 | ± 1.9 | 7.9 | -40 to 125 | | | • | | | | | |
| 74AUP2G79-Q100 | Dual D-type flip-flop; positive-edge trigger | 1.1 - 3.6 | ± 1.9 | 8.5 | -40 to 125 | | | | | | • | | |
| 74LVC1G74-Q100 | Single D-type flip-flop with set and reset; positive-edge trigger | 1.65 - 5.5 | ± 32 | 3.5 | -40 to 125 | | | | | • | • | • | |
| 74LVC1G79-Q100 | Single D-type flip-flop; positive-edge trigger | 1.65 - 5.5 | ± 32 | 2.2 | -40 to 125 | • | • | | | | | | • |
| 74LVC1G80-Q100 | Single D-type flip-flop; positive-edge trigger | 1.65 - 5.5 | ± 32 | 2.4 | -40 to 125 | • | • | | | | | | • |
| 74LVC1G175-Q100 | Single D flip-flop with reset; positive-edge trigger | 1.65 - 5.5 | ± 32 | 3.1 | -40 to 125 | | | • | • | | | | |
| 74LVC2G74-Q100 | Single D-type flip-flop with set and reset; positive-edge trigger | 1.65 - 5.5 | ± 32 | 3.5 | -40 to 125 | | | | | • | • | | |

Logic - Latches / Registered drivers

| Type number | Description | Features | | | | Package (suffix) | |
|-----------------|---|---------------------|---------------------|----------------------|-----------------------|------------------|--|
| | | V _{CC} (V) | I _o (mA) | t _{pd} (ns) | T _{amb} (°C) | SOT363 (GW) | |
| 74AUP1G373-Q100 | Single D-type transparent latch (3-state) | 1.1 - 3.6 | ±1.9 | 8.5 | -40 to 125 | • | |

Logic - Counter / Frequency dividers

| Type number | Description | Features | | | | Package (suffix) | |
|------------------|---------------------------------|---------------------|------------------------------|------------------------|----------------------|-----------------------|---------------|
| | | V _{CC} (V) | Output drive capability (mA) | Logic switching levels | t _{pd} (ns) | T _{amb} (°C) | SOT353-1 (GW) |
| 74AHC1G4208-Q100 | 08-stage divider and oscillator | 2.0 - 5.5 | ±5.2 | CMOS | 14 | -40 to 125 | • |
| 74AHC1G4210-Q100 | 10-stage divider and oscillator | 2.0 - 5.5 | ±8 | CMOS | 14 | -40 to 125 | • |
| 74AHC1G4212-Q100 | 12-stage divider and oscillator | 2.0 - 5.5 | ±8 | CMOS | 20 | -40 to 125 | • |
| 74AHC1G4214-Q100 | 14-stage divider and oscillator | 2.0 - 5.5 | ±8 | CMOS | 23 | -40 to 125 | • |
| 74AHC1G4215-Q100 | 15-stage divider and oscillator | 2.0 - 5.5 | ±8 | CMOS | 24 | -40 to 125 | • |

Logic - Decoders / Demultiplexers

| Type number | Description | Features | | | | Package (suffix) | |
|----------------|--------------------------------|--------------|------------|---------------|----------------|------------------|-------------|
| | | V_{cc} (V) | I_o (mA) | t_{pd} (ns) | T_{amb} (°C) | SOT363 (GW) | SOT457 (GV) |
| 74LVC1G18-Q100 | 1-to-2 demultiplexer (3-state) | 1.65 - 5.5 | ± 32 | 2.3 | -40 to 125 | • | • |
| 74LVC1G19-Q100 | 1-to-2 demultiplexer | 1.65 - 5.5 | ± 32 | 1.8 | -40 to 125 | • | |

Logic - Digital multiplexers

| Type number | Description | Features | | | | Package (suffix) | | |
|-----------------|----------------------------|--------------|------------|---------------|----------------|------------------|-------------|-------------|
| | | V_{cc} (V) | I_o (mA) | t_{pd} (ns) | T_{amb} (°C) | SOT363 (GW) | SOT457 (GV) | SOT886 (GM) |
| 74AUP1G157-Q100 | Single 2-input multiplexer | 1.1 - 3.6 | ± 1.9 | 3.2 | -40 to 125 | | | • |
| 74LVC1G157-Q100 | Single 2-input multiplexer | 1.65 - 5.5 | ± 32 | 2.2 | -40 to 125 | • | • | |

Logic - Specialty logic

| Type number | Description | Features | | | | Package (suffix) | |
|-----------------|---|--------------|------------|---------------|----------------|------------------|---------------|
| | | V_{cc} (V) | I_o (mA) | t_{pd} (ns) | T_{amb} (°C) | SOT505-2 (DP) | SOT765-1 (DC) |
| 74LVC1G123-Q100 | Single retriggerable monostable multivibrator | 1.65 - 5.5 | ± 32 | 3.5 | -40 to 125 | • | • |

Voltage translator (Level-shifters)

| Type number | Description | Features | | | | Package (suffix) | | | | | | | | | | | | |
|-----------------|--|-------------------------|-------------------------|---------------------|-----------------------|------------------|-------------|-------------|---------------|---------------|---------------|---------------|-------------|--------------|--------------|----------------|----------------|---|
| | | V _{cc} (A) (V) | V _{cc} (B) (V) | I _o (mA) | T _{amb} (°C) | SOT353-1 (GW) | SOT363 (GW) | SOT753 (GV) | SOT505-2 (DP) | SOT765-1 (DC) | SOT552-1 (DP) | SOT833-1 (GT) | SOT886 (GM) | SOT1202 (GS) | SOT1203 (GS) | SOT1160-1 (GU) | SOT8065-1 (GZ) | |
| 74AUP1T08-Q100 | 2-input AND gate with voltage-level translator | 2.3 - 3.6 | n.a | ± 1.9 | -40 to 125 | • | | | | | | | | | | | | |
| 74AUP1T34-Q100 | Single dual supply translating buffer | 1.1 - 3.6 | 1.1 - 3.6 | ± 1.9 | -40 to 125 | • | | | | | | • | | | | | | • |
| 74AUP1T97-Q100 | Configurable gate with voltage level translation | 2.3 - 3.6 | n.a | ± 1.9 | -40 to 125 | | • | | | | | | | | | | | |
| 74AUP1T98-Q100 | Configurable gate with voltage level translation | 2.3 - 3.6 | n.a. | ± 1.9 | -40 to 125 | | • | | | | | | | | | | | |
| 74AVC1T45-Q100 | Single dual-supply voltage level translating transceiver (3-state) | 0.8 - 3.6 | 0.8 - 3.6 | ± 12 | -40 to 125 | | • | | | | | • | • | | | | | |
| 74AVCH1T45-Q100 | Single dual-supply voltage translating transceiver with bus hold (3-state) | 0.8 - 3.6 | 0.8 - 3.6 | ± 12 | -40 to 125 | | • | | | | | | | | | | | |
| 74AVC2T45-Q100 | Dual-bit dual-supply voltage level translating transceiver (3-state) | 0.8 - 3.6 | 0.8 - 3.6 | ± 12 | -40 to 125 | | | | • | • | | • | • | | | | | |
| 74AVCH2T45-Q100 | Dual-bit dual-supply voltage translating transceiver with bus hold (3-state) | 0.8 - 3.6 | 0.8 - 3.6 | ± 12 | -40 to 125 | | | | | • | | | | | | | | |
| 74AVC2T245-Q100 | Dual-bit dual-supply voltage level translating transceiver (3-state) | 0.8 - 3.6 | 0.8 - 3.6 | ± 12 | -40 to 125 | | | | | | | | | | | | • | |
| 74LV1T04-Q100 | Single supply translating inverter | 1.6 - 5.5 | n.a | ± 8 | -40 to 125 | • | | | | | | | | | | | | • |
| 74LV1T125-Q100 | Single supply translating buffer/line driver; 3-state | 1.6 - 5.5 | n.a. | ± 8 | -40 to 125 | • | | | | | | | | | | | | |
| 74LV1T34-Q100 | Single supply translating buffer | 1.6 - 5.5 | n.a | ± 8 | -40 to 125 | • | | • | | | | | | | | | | |
| 74LVC1T45-Q100 | Single dual-supply voltage level translating transceiver (3-state) | 1.2 - 5.5 | 1.2 - 5.5 | ± 24 | -40 to 125 | | • | | | | | • | | | | | | |
| 74LVCH1T45-Q100 | Single dual-supply voltage translating transceiver with bus hold (3-state) | 1.2 - 5.5 | 1.2 - 5.5 | ± 24 | -40 to 125 | | • | | | | | | | | | | | |
| 74LVC2T45-Q100 | Dual-bit dual-supply voltage level translating transceiver (3-state) | 1.2 - 5.5 | 1.2 - 5.5 | ± 24 | -40 to 125 | | | | | • | • | | | • | | | | |
| 74LVCH2T45-Q100 | Dual-bit dual-supply voltage level translating transceiver with bus hold (3-state) | 1.2 - 5.5 | 1.2 - 5.5 | ± 24 | -40 to 125 | | | | | • | | | | | | | | |
| LSF0101-Q100 | 1-bit bidirectional multi-voltage level translator; open-drain; push-pull | 0.95 - 5.0 | 0.95 - 5.0 | n.a. | -40 to 125 | | • | | | | | | | | | | | |
| LSF0102-Q100 | 2-bit bidirectional multi-voltage level translator; open-drain; push-pull | 0.95 - 5.0 | 0.95 - 5.0 | +64 | -40 to 125 | | | | • | • | | | | | | | | |
| NCA9306-Q100 | 2-bit bidirectional multi-voltage level translator; open-drain; push-pull | 0.95 - 5.0 | 0.95 - 5.0 | n.a. | -40 to 125 | | | | | • | | | | | | | | |
| NXB0101-Q100 | 1-bit Dual supply translating transceiver; auto direction sensing (3-state) | 1.2 - 3.6 | 1.65 - 5.5 | ± 0.02 | -40 to 125 | | • | | | | | | • | | | | | |
| NXB0102-Q100 | 2-bit Dual supply translating transceiver; auto direction sensing (3-state) | 1.2 - 3.6 | 1.65 - 5.5 | ± 0.02 | -40 to 125 | | | | | • | | | | | | | | |
| NXS0101-Q100 | 1-bit Dual supply translating transceiver; open drain; auto direction sensing | 1.65 - 3.6 | 2.3 - 5.5 | -0.02 / 1.0 | -40 to 125 | | • | | | | | | | | | | | |
| NXS0102-Q100 | 2-bit Dual supply translating transceiver; open drain; auto direction sensing | 1.65 - 3.6 | 2.3 - 5.5 | -0.02 / 1.0 | -40 to 125 | | | | | • | | | | | | | | |
| NXT4558-Q100 | SIM card interface level translator with enable pin | 1.08 - 1.98 | 1.62 - 3.3 | ± 1 | -40 to 125 | | | | | | | | | | | | | • |
| NXU0101-Q100 | 1-bit dual-supply buffer/level translator with Schmitt-trigger; | 0.09 - 5.5 | 0.09 - 5.5 | +/-25 | -40 to 125 | • | | | | | | • | • | | | | | |
| NXU0102-Q100 | 2-bit dual-supply buffer/level translator with Schmitt-trigger; | 0.09 - 5.5 | 0.09 - 5.5 | +/-25 | -40 to 125 | | | | | • | • | | | | | | | |
| NXU0202-Q100 | 2-bit dual-supply buffer/level translator with Schmitt-trigger; | 0.09 - 5.5 | 0.09 - 5.5 | +/-25 | -40 to 125 | | | | | • | • | | | | | | | |

Analog switches and multiplexers - Analog switches

| Type number | Description | Features | | | | | Package (suffix) | | | | | | | | |
|------------------|---|---------------|---------------------|---------------------|----------------------------|-----------------------|------------------|-------------|-------------|-------------|---------------|---------------|---------------|-------------|----------------|
| | | Configuration | V _{CC} (V) | R _{ON} (Ω) | R _{ON} (FLAT) (Ω) | T _{amb} (°C) | SOT353-1 (GW) | SOT753 (GV) | SOT363 (GW) | SOT457 (GV) | SOT505-2 (DP) | SOT765-1 (DC) | SOT552-1 (DP) | SOT886 (GM) | SOT8065-1 (GZ) |
| 74AHC1G66-Q100 | Single-pole, single-throw analog switch | SPST-NO | 2.0 - 5.5 | 40 | 5 | -40 to 125 | • | • | | | | | | | |
| 74AHCT1G66-Q100 | Single-pole, single-throw analog switch; TTL-enabled | SPST-NO | 4.5 - 5.5 | 40 | 5 | -40 to 125 | • | • | | | | | | | |
| 74HC1G66-Q100 | Single-pole, single-throw analog switch | SPST-NO | 2.0 - 9.0 | 105 | 23 | -40 to 125 | • | • | | | | | | | |
| 74HCT1G66-Q100 | Single-pole, single-throw analog switch; TTL-enabled | SPST-NO | 4.5 - 5.5 | 118 | 23 | -40 to 125 | • | • | | | | | | | |
| 74HC2G66-Q100 | Dual single-pole, single-throw analog switch | SPST-NO | 2.0 - 9.0 | 105 | 23 | -40 to 125 | | | | • | • | | | | |
| 74HCT2G66-Q100 | Dual single-pole, single-throw analog switch; TTL-enabled | SPST-NO | 4.5 - 5.5 | 118 | 23 | -40 to 125 | | | | • | • | | | | |
| 74LVC1G53-Q100 | Single-pole, double-throw analog switch | SPDT-Z | 1.65 - 5.5 | 15 | 1.5 | -40 to 125 | | | | • | • | | | | |
| 74LVC1G66-Q100 | Single-pole, single-throw analog switch | SPST-NO | 1.65 - 5.5 | 15 | 1.5 | -40 to 125 | • | • | | | | | | | • |
| 74LVC1G384-Q100 | Single-pole, single-throw analog switch | SPST-NC | 1.65 - 5.5 | 15 | 1.5 | -40 to 125 | • | • | | | | | | | • |
| 74LVC1G3157-Q100 | Single-pole, double-throw analog switch | SPDT | 1.65 - 5.5 | 15 | 1.5 | -40 to 125 | | | • | • | | | | | • |
| 74LVC2G3157-Q100 | Dual 10 Ω single-pole double-throw analog switch | SPDT | 1.65 - 5.5 | 15 | 1.5 | -40 to 125 | | | | | | | • | | |
| 74LVC2G66-Q100 | Dual single-pole, single-throw analog switch | SPST-NO | 1.65 - 5.5 | 15 | 1.5 | -40 to 125 | | | | • | • | | | | |
| X55A1T4157-Q100 | Low-ohmic single-pole double-throw analog switch | SPDT-Z | 4.5 - 5.5 | 4 | 0.9 | -40 to 125 | | | • | | | | | | |

Analog switches and multiplexers - Bus switches

| Type number | Description | Features | | | | | Package (suffix) | |
|-------------------|-------------------|------------------------|---------------------|-----------------------|---------------------|-----------------------|------------------|-------------|
| | | Logic switching levels | V _{CC} (V) | V _{PASS} (V) | R _{ON} (Ω) | T _{amb} (°C) | SOT353-1 (GW) | SOT753 (GV) |
| 74CBTLV1G125-Q100 | Single bus switch | CMOS/LVTTL | 2.3 - 3.6 | 3.3 | 7 | -40~125 | • | • |

Buffers / Inverters

| Type number | Description | V _{CC} (V) | Logic switching levels | Output drive capability (mA) | Output Load CL (pF) | t _{pd} (ns) | f _{max} (MHz) | T _{amb} (°C) |
|-------------|---|---------------------|------------------------|------------------------------|---------------------|----------------------|------------------------|-----------------------|
| 74ABT04 | Hex inverter | 4.5 - 5.5 | TTL | -15 / 20 | 50 | 2.2 | 100 | -40 to 85 |
| 74ABT125 | Quad buffer/line driver (3-state) | 4.5 - 5.5 | TTL | -32 / 64 | 50 | 3.1 | 100 | -40 to 85 |
| 74ABT126 | Quad buffer/line driver (3-state) | 4.5 - 5.5 | TTL | -32 / 64 | 50 | 3.0 | 100 | -40 to 85 |
| 74ABT162244 | 16-bit buffer/line driver with 30 Ohm termination resistors (3-state) | 4.5 - 5.5 | TTL | -32 / 12 | 50 | 3.2 | 100 | -40 to 85 |
| 74ABT16240A | 16-bit inverter/line driver (3-state) | 4.5 - 5.5 | TTL | -32 / 64 | 50 | 2.0 | 150 | -40 to 85 |
| 74ABT16244A | 16-bit buffer/line driver (3-state) | 4.5 - 5.5 | TTL | -32 / 64 | 50 | 2.1 | 150 | -40 to 85 |
| 74ABT244 | Octal buffer/line driver (3-state) | 4.5 - 5.5 | TTL | -32 / 64 | 50 | 2.9 | 100 | -40 to 85 |
| 74AHC04 | Hex inverter | 2.0 - 5.5 | CMOS | ±8 | 50 | 3.0 | 60 | -40 to 125 |
| 74AHC125 | Quad buffer/line driver (3-state) | 2.0 - 5.5 | CMOS | ±8 | 50 | 3.0 | 60 | -40 to 125 |
| 74AHC126 | Quad buffer/line driver (3-state) | 2.0 - 5.5 | CMOS | ±8 | 50 | 3.3 | 60 | -40 to 125 |
| 74AHC14 | Hex inverter; Schmitt-trigger | 2.0 - 5.5 | CMOS | ±8 | 50 | 3.2 | 60 | -40 to 125 |
| 74AHC1G04 | Single inverter | 2.0 - 5.5 | CMOS | ±8 | 50 | 3.1 | 60 | -40 to 125 |
| 74AHC1G07 | Single buffer; open-drain | 2.0 - 5.5 | CMOS | ±8 | 50 | 2.5 | 60 | -40 to 125 |
| 74AHC1G125 | Single buffer/line driver (3-state) | 2.0 - 5.5 | CMOS | ±8 | 50 | 3.4 | 60 | -40 to 125 |
| 74AHC1G126 | Single buffer/line driver (3-state) | 2.0 - 5.5 | CMOS | ±8 | 50 | 3.4 | 60 | -40 to 125 |
| 74AHC1G14 | Single inverter; Schmitt-trigger | 2.0 - 5.5 | CMOS | ±8 | 50 | 3.2 | 60 | -40 to 125 |
| 74AHC1G17 | Single buffer with Schmitt-trigger inputs | 2.0 - 5.5 | CMOS | ±8 | 50 | 3.2 | 60 | -40 to 125 |
| 74AHC1GU04 | Single inverter; unbuffered | 2.0 - 5.5 | CMOS | ±8 | 50 | 2.6 | 60 | -40 to 125 |
| 74AHC244 | Octal buffer/line driver (3-state) | 2.0 - 5.5 | CMOS | ±8 | 50 | 3.5 | 60 | -40 to 125 |
| 74AHC2G125 | Dual buffer/line driver (3-state) | 2.0 - 5.5 | CMOS | ±8 | 50 | 3.4 | 60 | -40 to 125 |
| 74AHC2G126 | Dual buffer/line driver (3-state) | 2.0 - 5.5 | CMOS | ±8 | 50 | 3.4 | 60 | -40 to 125 |
| 74AHC2G241 | Dual buffer/line driver (3-state) | 2.0 - 5.5 | CMOS | ±8 | 50 | 3.4 | 60 | -40 to 125 |
| 74AHC3G04 | Triple inverter | 2.0 - 5.5 | CMOS | ±8 | 50 | 3.1 | 60 | -40 to 125 |
| 74AHC3G14 | Triple inverter; Schmitt-trigger | 2.0 - 5.5 | CMOS | ±8 | 50 | 3.2 | 60 | -40 to 125 |
| 74AHC3GU04 | Triple inverter; unbuffered | 2.0 - 5.5 | CMOS | ±8 | 50 | 2.5 | 60 | -40 to 125 |
| 74AHC541 | Octal buffer/line driver (3-state) | 2.0 - 5.5 | CMOS | ±8 | 50 | 3.5 | 60 | -40 to 125 |
| 74AHC9541A | Octal buffer/line driver; Schmitt-trigger (3-state) | 1.8 - 5.5 | CMOS | ±8 | 15 | 3.4 | 60 | -40 to 125 |
| 74AHCT04 | Hex inverter; TTL-enabled | 4.5 - 5.5 | TTL | ±8 | 50 | 3.0 | 60 | -40 to 125 |
| 74AHCT04A | Hex inverter; TTL-enabled | 4.5 - 5.5 | TTL | ±8 | 15 | 3.1 | 60 | -40 to 125 |
| 74AHCT07A | Hex buffer; open-drain; TTL-enabled | 4.5 - 5.5 | TTL | ±8 | 15 | 4.0 | 60 | -40 to 125 |
| 74AHCT125 | Quad buffer/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | ±8 | 50 | 3.0 | 60 | -40 to 125 |
| 74AHCT126 | Quad buffer/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | ±8 | 50 | 3.0 | 60 | -40 to 125 |
| 74AHCT14 | Hex inverting; Schmitt-trigger; TTL-enabled | 4.5 - 5.5 | TTL | ±8 | 50 | 3.4 | 60 | -40 to 125 |
| 74AHCT14A | Hex inverter; Schmitt-trigger; TTL-enabled | 4.5 - 5.5 | TTL | ±8 | 15 | 3.7 | 60 | -40 to 125 |
| 74AHCT17A | Hex buffer; Schmitt-trigger; TTL-enabled | 4.5 - 5.5 | TTL | ±8 | 15 | 3.2 | 60 | -40 to 125 |
| 74AHCT1G04 | Single inverter; TTL-enabled | 4.5 - 5.5 | TTL | ±8 | 50 | 3.4 | 60 | -40 to 125 |
| 74AHCT1G125 | Single buffer/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | ±8 | 50 | 3.4 | 60 | -40 to 125 |
| 74AHCT1G126 | Single buffer/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | ±8 | 50 | 3.4 | 60 | -40 to 125 |
| 74AHCT1G14 | Single inverter; Schmitt-trigger; TTL-enabled | 4.5 - 5.5 | TTL | ±8 | 50 | 4.1 | 60 | -40 to 125 |
| 74AHCT1G17 | Single buffer with Schmitt-trigger inputs; TTL-enabled | 4.5 - 5.5 | TTL | ±8 | 50 | 4.1 | 60 | -40 to 125 |
| 74AHCT240 | Octal inverter/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | ±8 | 50 | 3.0 | 60 | -40 to 125 |

Buffers / Inverters

| Type number | Description | V _{CC} (V) | Logic switching levels | Output drive capability (mA) | Output Load CL (pF) | t _{pd} (ns) | f _{max} (MHz) | T _{amb} (°C) |
|---------------|--|---------------------|------------------------|------------------------------|---------------------|----------------------|------------------------|-----------------------|
| 74AHCT244 | Octal buffer/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | ±8 | 50 | 3.5 | 60 | -40 to 125 |
| 74AHCT244A | Octal buffer/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | ±8 | 15 | 3.5 | 60 | -40 to 125 |
| 74AHCT2G125 | Dual buffer/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | ±8 | 50 | 3.4 | 60 | -40 to 125 |
| 74AHCT2G126 | Dual buffer/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | ±8 | 50 | 3.4 | 60 | -40 to 125 |
| 74AHCT2G241 | Dual buffer/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | ±8 | 50 | 3.4 | 60 | -40 to 125 |
| 74AHCT3G04 | Triple inverter; TTL-enabled | 4.5 - 5.5 | TTL | ±8 | 50 | 3.0 | 60 | -40 to 125 |
| 74AHCT3G14 | Triple inverter; Schmitt-trigger; TTL-enabled | 4.5 - 5.5 | TTL | ±8 | 50 | 4.1 | 60 | -40 to 125 |
| 74AHCT541 | Octal buffer/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | ±8 | 50 | 3.5 | 60 | -40 to 125 |
| 74AHCT541A | Octal buffer/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | ±8 | 15 | 3.5 | 60 | -40 to 125 |
| 74AHCU04 | Hex inverter; unbuffered | 2.0 - 5.5 | CMOS | ±8 | 50 | 2.4 | 60 | -40 to 125 |
| 74AHCV05A | Hex inverter; Schmitt trigger; open-drain | 2.0 - 5.5 | CMOS | ±16 | 15 | 8.5 | 10 | -40 to 125 |
| 74AHCV07A | Hex buffer; Schmitt-trigger; open-drain | 1.8 - 5.5 | CMOS | 16 | 15 | 3.8 | 60 | -40 to 125 |
| 74AHCV14A | Hex inverter; Schmitt-trigger | 1.8 - 5.5 | CMOS | ±16 | 15 | 3.2 | 60 | -40 to 125 |
| 74AHCV17A | Hex buffer; Schmitt-trigger | 1.8 - 5.5 | CMOS | ±16 | 15 | 3.2 | 60 | -40 to 125 |
| 74AHCV244A | Octal buffer/line driver; Schmitt-trigger (3-state) | 1.8 - 5.5 | CMOS | ±16 | 15 | 3.0 | 60 | -40 to 125 |
| 74AHCV541A | Octal buffer/line driver; Schmitt-trigger (3-state) | 1.8 - 5.5 | CMOS | ±16 | 15 | 3.0 | 60 | -40 to 125 |
| 74ALVC04 | Hex inverter | 1.65 - 3.6 | TTL | ±24 | 30 | 2.0 | 150 | -40 to 85 |
| 74ALVC125 | Quad buffer/line driver (3-state) | 1.65 - 3.6 | TTL | ±24 | 30 | 1.8 | 145 | -40 to 85 |
| 74ALVC14 | Hex inverter; Schmitt-trigger | 1.65 - 3.6 | TTL | ±24 | 30 | 2.4 | 150 | -40 to 85 |
| 74ALVC16244 | 16-bit buffer/line driver (3-state) | 1.2 - 3.6 | TTL | ±24 | 50 | 1.9 | 150 | -40 to 85 |
| 74ALVC244 | Octal buffer/line driver (3-state) | 1.65 - 3.6 | TTL | ±24 | 30 | 2.9 | 130 | -40 to 85 |
| 74ALVC541 | Octal buffer/line driver (3-state) | 1.65 - 3.6 | TTL | ±24 | 30 | 2.3 | 130 | -40 to 85 |
| 74ALVCH162244 | 16-bit buffer/line driver with bus hold and 30 Ω termination resistors (3-state) | 2.3 - 3.6 | TTL | ±12 | 30 | 2.7 | 150 | -40 to 85 |
| 74ALVCH16244 | 16-bit buffer/line driver with bus hold (3-state) | 1.2 - 3.6 | TTL | ±24 | 30 | 1.9 | 150 | -40 to 85 |
| 74ALVCH162827 | 20-bit buffer/line driver with bus hold and 30 Ω termination resistors (3-state) | 2.3 - 3.6 | TTL | ±12 | 30 | 2.9 | 150 | -40 to 85 |
| 74ALVCH16825 | 18-bit buffer/line driver with bus hold (3-state) | 2.3 - 3.6 | TTL | ±24 | 30 | 2.0 | 150 | -40 to 85 |
| 74ALVCH16827 | 20-bit buffer/line driver with bus hold (3-state) | 2.3 - 3.6 | TTL | ±24 | 30 | 2.0 | 150 | -40 to 85 |
| 74ALVT16244 | 16-bit buffer/line driver with bus hold (3-state) | 2.3 - 3.6 | LVTTTL | -32 / 64 | 50 | 1.5 | 200 | -40 to 85 |
| 74ALVT162827 | 20-bit buffer/line driver with bus hold and 30 Ω termination resistors (3-state) | 2.3 - 3.6 | LVTTTL | ±12 | 50 | 2.2 | 75 | -40 to 85 |
| 74ALVT16827 | 20-bit buffer/line driver with bus hold (3-state) | 2.3 - 3.6 | LVTTTL | -32 / 64 | 50 | 1.3 | 200 | -40 to 85 |
| 74AUP1G04 | Single inverter | 1.1 - 3.6 | CMOS | ±1.9 | 30 | 4.0 | 70 | -40 to 125 |
| 74AUP1G06 | Single inverter; open drain | 1.1 - 3.6 | CMOS | 1.9 | 30 | 4.5 | 70 | -40 to 125 |
| 74AUP1G07 | Single buffer; open drain | 1.1 - 3.6 | CMOS | 1.9 | 30 | 4.4 | 70 | -40 to 125 |
| 74AUP1G125 | Single buffer/line driver (3-state) | 1.1 - 3.6 | CMOS | ±1.9 | 30 | 4.3 | 70 | -40 to 125 |
| 74AUP1G126 | Single buffer/line driver (3-state) | 1.1 - 3.6 | CMOS | ±1.9 | 30 | 4.3 | 70 | -40 to 125 |
| 74AUP1G14 | Single inverter; Schmitt-trigger | 1.1 - 3.6 | CMOS | ±1.9 | 30 | 4.7 | 70 | -40 to 125 |
| 74AUP1G16 | Single buffer | 1.1 - 3.6 | CMOS | ±1.9 | 30 | 4.7 | 70 | -40 to 125 |
| 74AUP1G240 | Single inverter/line driver (3-state) | 1.1 - 3.6 | CMOS | ±1.9 | 30 | 4.2 | 70 | -40 to 125 |
| 74AUP1G34 | Single buffer | 1.1 - 3.6 | CMOS | ±1.9 | 30 | 3.9 | 70 | -40 to 125 |
| 74AUP1GU04 | Single inverter; unbuffered | 1.1 - 3.6 | CMOS | ±1.9 | 30 | 2.3 | 70 | -40 to 125 |
| 74AUP1T04 | Single supply voltage-translating inverter | 2.3 - 3.6 | CMOS | ±4 | 15 | 3.7 | 70 | -40 to 125 |

Buffers / Inverters

| Type number | Description | V _{CC} (V) | Logic switching levels | Output drive capability (mA) | Output Load CL (pF) | t _{pd} (ns) | f _{max} (MHz) | T _{amb} (°C) |
|-------------|--|---------------------|------------------------|------------------------------|---------------------|----------------------|------------------------|-----------------------|
| 74AUP1T14 | Single supply voltage-translating inverter | 2.3 - 3.6 | CMOS | ±4 | 15 | 3.7 | 70 | -40 to 125 |
| 74AUP1T17 | Single supply voltage-translating buffer | 2.3 - 3.6 | CMOS | ±4 | 15 | 3.7 | 70 | -40 to 125 |
| 74AUP1T50 | Single supply voltage-translating buffer | 2.3 - 3.6 | CMOS | ±4 | 15 | 3.7 | 70 | -40 to 125 |
| 74AUP2G04 | Dual inverter | 1.1 - 3.6 | CMOS | ±1.9 | 30 | 4.0 | 70 | -40 to 125 |
| 74AUP2G06 | Dual inverter; open drain | 1.1 - 3.6 | CMOS | 1.9 | 30 | 4.5 | 70 | -40 to 125 |
| 74AUP2G07 | Dual buffer; open drain | 1.1 - 3.6 | CMOS | 1.9 | 30 | 4.4 | 70 | -40 to 125 |
| 74AUP2G125 | Dual buffer/line driver (3-state) | 1.1 - 3.6 | CMOS | +1.9 | 30 | 4.3 | 70 | -40 to 125 |
| 74AUP2G126 | Dual buffer/line driver (3-state) | 1.1 - 3.6 | CMOS | +1.9 | 30 | 4.3 | 70 | -40 to 125 |
| 74AUP2G14 | Dual inverter; Schmitt-trigger | 1.1 - 3.6 | CMOS | +1.9 | 30 | 4.7 | 70 | -40 to 125 |
| 74AUP2G16 | Dual buffer | 1.1 - 3.6 | CMOS | +1.9 | 30 | 4.7 | 70 | -40 to 125 |
| 74AUP2G17 | Dual buffer; Schmitt-trigger | 1.1 - 3.6 | CMOS | +1.9 | 30 | 7.8 | 70 | -40 to 125 |
| 74AUP2G240 | Dual inverter/line driver (3-state) | 1.1 - 3.6 | CMOS | +1.9 | 30 | 4.2 | 70 | -40 to 125 |
| 74AUP2G241 | Dual buffer/line driver (3-state) | 1.1 - 3.6 | CMOS | + 1.9 | 30 | 4.3 | 70 | -40 to 125 |
| 74AUP2G34 | Dual buffer | 1.1 - 3.6 | CMOS | +1.9 | 30 | 3.9 | 70 | -40 to 125 |
| 74AUP2GU04 | Dual inverter; unbuffered | 1.1 - 3.6 | CMOS | +1.9 | 30 | 2.3 | 70 | -40 to 125 |
| 74AUP3G04 | Triple inverter | 1.1 - 3.6 | CMOS | +1.9 | 30 | 4.0 | 70 | -40 to 125 |
| 74AUP3G07 | Triple buffer; open-drain | 1.1 - 3.6 | CMOS | 1.9 | 30 | 4.4 | 70 | -40 to 125 |
| 74AUP3G14 | Triple inverter; Schmitt-trigger | 1.1 - 3.6 | CMOS | +1.9 | 30 | 4.7 | 70 | -40 to 125 |
| 74AUP3G16 | Triple buffer | 1.1 - 3.6 | CMOS | +1.9 | 30 | 4.0 | 70 | -40 to 125 |
| 74AUP3G17 | Triple buffer; Schmitt-trigger | 1.1 - 3.6 | CMOS | +1.9 | 30 | 4.7 | 70 | -40 to 125 |
| 74AUP3G34 | Triple buffer | 1.1 - 3.6 | CMOS | +1.9 | 30 | 4.0 | 70 | -40 to 125 |
| 74AVC9112 | 1-to-4 fan-out buffer | 0.8 - 3.6 | CMOS/LVTTL | ±12 | 15 | 4.0 | 200 | -40 to 125 |
| 74HC04 | Hex inverter | 2.0 - 6.0 | CMOS | +5.2 | 50 | 7.0 | 36 | -40 to 125 |
| 74HC05 | Hex inverter; open drain | 2.0 - 6.0 | CMOS | 5.2 | 50 | 11 | 36 | -40 to 125 |
| 74HC125 | Quad buffer/line driver (3-state) | 2.0 - 6.0 | CMOS | +7.8 | 50 | 9.0 | 36 | -40 to 125 |
| 74HC126 | Quad buffer/line driver (3-state) | 2.0 - 6.0 | CMOS | +7.8 | 50 | 9.0 | 36 | -40 to 125 |
| 74HC14 | Hex inverter; Schmitt-trigger | 2.0 - 6.0 | CMOS | +5.2 | 50 | 12 | 36 | -40 to 125 |
| 74HC1G04 | Single inverter | 2.0 - 6.0 | CMOS | +2.6 | 50 | 7.0 | 36 | -40 to 125 |
| 74HC1G125 | Single buffer/line driver (3-state) | 2.0 - 6.0 | CMOS | +2.6 | 50 | 9.0 | 36 | -40 to 125 |
| 74HC1G126 | Single buffer/line driver (3-state) | 2.0 - 6.0 | CMOS | +2.6 | 50 | 9.0 | 36 | -40 to 125 |
| 74HC1G14 | Single inverter; Schmitt-trigger | 2.0 - 6.0 | CMOS | +2.6 | 50 | 10 | 36 | -40 to 125 |
| 74HC1GU04 | Single inverter; unbuffered | 2.0 - 6.0 | CMOS | + 2.6 | 50 | 5.0 | 36 | -40 to 125 |
| 74HC240 | Octal inverter/line driver (3-state) | 2.0 - 6.0 | CMOS | +7.8 | 50 | 9.0 | 36 | -40 to 125 |
| 74HC241 | Octal buffer/line driver (3-state) | 2.0 - 6.0 | CMOS | +7.8 | 50 | 7.0 | 36 | -40 to 125 |
| 74HC244 | Octal buffer/line driver (3-state) | 2.0 - 6.0 | CMOS | +7.8 | 50 | 9.0 | 36 | -40 to 125 |
| 74HC2G04 | Dual inverter | 2.0 - 6.0 | CMOS | ±5.2 | 50 | 8.0 | 36 | -40 to 125 |
| 74HC2G125 | Dual buffer/line driver (3-state) | 2.0 - 6.0 | CMOS | ±5.2 | 50 | 10 | 36 | -40 to 125 |
| 74HC2G14 | Dual inverter; Schmitt-trigger | 2.0 - 6.0 | CMOS | ±5.2 | 50 | 16 | 36 | -40 to 125 |
| 74HC2G16 | Dual buffer | 2.0 - 6.0 | CMOS | ±5.2 | 50 | 9.0 | 36 | -40 to 125 |
| 74HC2G17 | Dual buffer; Schmitt-trigger | 2.0 - 6.0 | CMOS | ±5.2 | 50 | 12 | 36 | -40 to 125 |
| 74HC2G34 | Dual buffer | 2.0 - 6.0 | CMOS | ±5.2 | 50 | 9.0 | 36 | -40 to 125 |

Buffers / Inverters

| Type number | Description | V _{CC} (V) | Logic switching levels | Output drive capability (mA) | Output Load CL (pF) | t _{pd} (ns) | f _{max} (MHz) | T _{amb} (°C) |
|-------------|---|---------------------|------------------------|------------------------------|---------------------|----------------------|------------------------|-----------------------|
| 74HC2GU04 | Single inverter; unbuffered | 2.0 - 6.0 | CMOS | ±2.6 | 50 | 5.0 | 36 | -40 to 125 |
| 74HC365 | Hex buffer/line driver (3-state) | 2.0 - 6.0 | CMOS | ±7.8 | 50 | 9.0 | 36 | -40 to 125 |
| 74HC366 | Hex inverter/line driver (3-state) | 2.0 - 6.0 | CMOS | ±7.8 | 50 | 10 | 36 | -40 to 125 |
| 74HC367 | Hex buffer/line driver (3-state) | 2.0 - 6.0 | CMOS | ±7.8 | 50 | 8.0 | 36 | -40 to 125 |
| 74HC368 | Hex inverter/line driver (3-state) | 2.0 - 6.0 | CMOS | ±7.8 | 50 | 9.0 | 36 | -40 to 125 |
| 74HC3G04 | Triple inverter | 2.0 - 6.0 | CMOS | ±5.2 | 50 | 8.0 | 36 | -40 to 125 |
| 74HC3G06 | Triple inverter; open drain | 2.0 - 6.0 | CMOS | 5.2 | 50 | 9.0 | 36 | -40 to 125 |
| 74HC3G07 | Triple buffer; open drain | 2.0 - 6.0 | CMOS | 5.2 | 50 | 9.0 | 36 | -40 to 125 |
| 74HC3G14 | Triple inverter; Schmitt-trigger | 2.0 - 6.0 | CMOS | ±5.2 | 50 | 16 | 36 | -40 to 125 |
| 74HC3G16 | Triple buffer | 2.0 - 6.0 | CMOS | ±5.2 | 50 | 9.0 | 36 | -40 to 125 |
| 74HC3G34 | Triple buffer | 2.0 - 6.0 | CMOS | ±5.2 | 50 | 9.0 | 36 | -40 to 125 |
| 74HC3GU04 | Triple inverter; unbuffered | 2.0 - 6.0 | CMOS | ±5.2 | 50 | 6.0 | 36 | -40 to 125 |
| 74HC540 | Octal inverter/line driver (3-state) | 2.0 - 6.0 | CMOS | ±7.8 | 50 | 9.0 | 36 | -40 to 125 |
| 74HC541 | Octal buffer/line driver (3-state) | 2.0 - 6.0 | CMOS | ±7.8 | 50 | 10 | 36 | -40 to 125 |
| 74HC7014 | Hex buffer; precision Schmitt-trigger | 2.0 - 6.0 | CMOS | ±5.2 | 50 | 27 | 36 | -40 to 125 |
| 74HC7540 | Octal inverter/line driver; Schmitt-trigger (3-State) | 2.0 - 6.0 | CMOS | ±7.8 | 15 | 11 | 36 | -40 to 125 |
| 74HC7541 | Octal buffer/line driver; Schmitt-trigger (3-State) | 2.0 - 6.0 | CMOS | ±7.8 | 15 | 10 | 36 | -40 to 125 |
| 74HC9114 | 9-bit inverter; Schmitt-trigger; open-drain (3-state) | 2.0 - 6.0 | CMOS | 5.2 | 15 | 12 | 36 | -40 to 125 |
| 74HC9115 | 9-bit buffer; Schmitt-trigger; open-drain (3-state) | 2.0 - 6.0 | CMOS | 5.2 | 15 | 12 | 36 | -40 to 125 |
| 74HCT04 | Hex inverter; TTL-enabled | 4.5 - 5.5 | TTL | ±4 | 50 | 8.0 | 36 | -40 to 125 |
| 74HCT125 | Quad buffer/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | ±6 | 50 | 12 | 36 | -40 to 125 |
| 74HCT126 | Quad buffer/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | ±6 | 50 | 11 | 36 | -40 to 125 |
| 74HCT14 | Hex inverter; Schmitt-trigger; TTL-enabled | 4.5 - 5.5 | TTL | ±4 | 50 | 17 | 36 | -40 to 125 |
| 74HCT1G04 | Single inverter; TTL-enabled | 4.5 - 5.5 | TTL | ±2 | 50 | 8.0 | 36 | -40 to 125 |
| 74HCT1G125 | Single buffer/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | ±2 | 50 | 10 | 36 | -40 to 125 |
| 74HCT1G126 | Single buffer/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | ±2 | 50 | 10 | 36 | -40 to 125 |
| 74HCT1G14 | Single inverter; Schmitt-trigger; TTL-enabled | 4.5 - 5.5 | TTL | ±2 | 50 | 15 | 36 | -40 to 125 |
| 74HCT240 | Octal inverter/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | ±6 | 50 | 9.0 | 36 | -40 to 125 |
| 74HCT241 | Octal buffer/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | ±6 | 50 | 11 | 36 | -40 to 125 |
| 74HCT244 | Octal buffer/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | ±6 | 50 | 11 | 36 | -40 to 125 |
| 74HCT2G04 | Dual inverter; TTL-enabled | 4.5 - 5.5 | TTL | ±4 | 50 | 10 | 36 | -40 to 125 |
| 74HCT2G125 | Dual buffer/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | ±4 | 50 | 12 | 36 | -40 to 125 |
| 74HCT2G14 | Dual inverter; Schmitt-trigger; TTL-enabled | 4.5 to 5.5 | TTL | ±4 | 50 | 21 | 36 | -40 to 125 |
| 74HCT2G16 | Dual buffer; TTL-enabled | 4.5 - 5.5 | TTL | ±4 | 50 | 10 | 32 | -40 to 125 |
| 74HCT2G17 | Dual buffer; Schmitt-trigger; TTL-enabled | 4.5 to 5.5 | TTL | ±4 | 50 | 21 | 36 | -40 to 125 |
| 74HCT2G34 | Dual buffer; TTL-enabled | 4.5 - 5.5 | TTL | ±4 | 50 | 10 | 32 | -40 to 125 |
| 74HCT365 | Hex buffer/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | ±6 | 50 | 11 | 36 | -40 to 125 |
| 74HCT366 | Hex inverter/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | ±6 | 50 | 11 | 36 | -40 to 125 |
| 74HCT367 | Hex buffer/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | ±6 | 50 | 11 | 36 | -40 to 125 |
| 74HCT368 | Hex inverter/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | ±6 | 50 | 11 | 36 | -40 to 125 |
| 74HCT3G04 | Triple inverter; TTL-enabled | 4.5 - 5.5 | TTL | ±4 | 50 | 10 | 36 | -40 to 125 |

Buffers / Inverters

| Type number | Description | V _{CC} (V) | Logic switching levels | Output drive capability (mA) | Output Load CL (pF) | t _{pd} (ns) | f _{max} (MHz) | T _{amb} (°C) |
|--------------|---|---------------------|------------------------|------------------------------|---------------------|----------------------|------------------------|-----------------------|
| 74HCT3G06 | Triple inverter; open drain; TTL-enabled | 4.5 - 5.5 | TTL | 4 | 50 | 9.0 | 36 | -40 to 125 |
| 74HCT3G07 | Triple buffer; open drain; TTL-enabled | 4.5 - 5.5 | TTL | 4 | 50 | 9.0 | 36 | -40 to 125 |
| 74HCT3G14 | Triple inverter Schmitt-trigger; TTL-enabled | 4.5 - 5.5 | TTL | ±4 | 50 | 21 | 36 | -40 to 125 |
| 74HCT3G34 | Triple buffer; TTL-enabled | 4.5 - 5.5 | TTL | ±4 | 50 | 10 | 36 | -40 to 125 |
| 74HCT540 | Octal inverter/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | ±6 | 50 | 11 | 36 | -40 to 125 |
| 74HCT541 | Octal buffer/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | ±6 | 50 | 12 | 36 | -40 to 125 |
| 74HCT7540 | Octal inverter/line driver Schmitt-trigger; TTL-enabled (3-State) | 4.5 - 5.5 | TTL | ±6 | 15 | 16 | 36 | -40 to 125 |
| 74HCT7541 | Octal buffer/line driver Schmitt-trigger; TTL-enabled (3-State) | 4.5 - 5.5 | TTL | ±6 | 15 | 16 | 36 | -40 to 125 |
| 74HCT9114 | 9-bit inverter Schmitt-trigger; open-drain; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | 4 | 15 | 13 | 36 | -40 to 125 |
| 74HCU04 | Hex inverter; unbuffered | 2.0 - 6.0 | CMOS | ±5.2 | 50 | 5.0 | 36 | -40 to 125 |
| 74LV04 | Hex inverter | 1.0 - 5.5 | CMOS | ±12 | 50 | 6.0 | 30 | -40 to 125 |
| 74LV04AT | Hex buffer | 4.5 - 5.5 | TTL | ±12 | 15 | 3.3 | 60 | -40 to 125 |
| 74LV05A | Hex inverter; open-drain | 2.0 - 5.5 | CMOS | 12 | 15 | 2.9 | 60 | -40 to 125 |
| 74LV07A | Hex buffer; open-drain | 2.0 - 5.5 | CMOS | 16 | 15 | 3.6 | 60 | -40 to 125 |
| 74LV07AT | Hex buffer; open-drain; TTL-enabled | 4.5 - 5.5 | TTL | 16 | 15 | 3.5 | 60 | -40 to 125 |
| 74LV14 | Hex inverter; Schmitt-trigger | 1.0 - 5.5 | TTL | ±12 | 50 | 13 | 30 | -40 to 125 |
| 74LV14A | Hex inverter; Schmitt-trigger | 2.0 - 5.5 | CMOS | ±12 | 15 | 3.4 | 60 | -40 to 125 |
| 74LV17A | Hex buffer; Schmitt-trigger | 2.0 - 5.5 | CMOS | ±12 | 15 | 3.4 | 60 | -40 to 125 |
| 74LV1T04 | Single supply translating inverter | 1.6 - 5.5 | CMOS | ±8 | 15 | 6.2 | 60 | -40 to 125 |
| 74LV1T34 | Single supply translating buffer | 1.6 - 5.5 | CMOS | ±8 | 15 | 6.3 | 60 | -40 to 125 |
| 74LV1T125 | Single supply translating buffer / line driver (3-state) | 1.6 - 5.5 | CMOS | ±8 | 15 | 6.5 | 60 | -40 to 125 |
| 74LV1T126 | Single supply translating buffer / line driver (3-state) | 1.6 - 5.5 | CMOS | ±8 | 15 | 6.5 | 60 | -40 to 125 |
| 74LV244 | Octal buffer/line driver (3-state) | 1.0 - 5.5 | CMOS | ±16 | 50 | 8.0 | 30 | -40 to 125 |
| 74LV244A | Octal buffer/line driver (3-state) | 2.0 - 5.5 | CMOS | ±16 | 15 | 2.9 | 60 | -40 to 125 |
| 74LV244AT | Octal buffer/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | ±16 | 15 | 2.8 | 60 | -40 to 125 |
| 74LV540A | Octal buffer/line driver (3-state); inverting | 1.65 - 5.5 | CMOS/LVTTL | ±16 | 15 | 3.1 | 60 | -40 to 125 |
| 74LV541A | Octal buffer/line driver (3-state) | 2.0 - 5.5 | CMOS | ±16 | 15 | 2.9 | 60 | -40 to 125 |
| 74LV541AT | Octal buffer/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | ±16 | 15 | 2.8 | 60 | -40 to 125 |
| 74LVC04A | Hex inverter | 1.65 - 5.5 | CMOS/LVTTL | ±24 | 50 | 2.0 | 175 | -40 to 125 |
| 74LVC06A | Hex inverter; open drain | 1.65 - 5.5 | CMOS/LVTTL | 32 | 50 | 2.2 | 175 | -40 to 125 |
| 74LVC07A | Hex buffer; open drain | 1.65 - 5.5 | CMOS/LVTTL | 32 | 50 | 2.2 | 175 | -40 to 125 |
| 74LVC125A | Quad buffer/line driver (3-state) | 1.2 - 3.6 | CMOS/LVTTL | ±24 | 50 | 2.4 | 175 | -40 to 125 |
| 74LVC126A | Quad buffer/line driver (3-state) | 1.2 - 3.6 | CMOS/LVTTL | ±24 | 50 | 2.4 | 175 | -40 to 125 |
| 74LVC14A | Hex inverter; Schmitt-trigger | 1.2 - 3.6 | CMOS/LVTTL | ±24 | 50 | 3.2 | 175 | -40 to 125 |
| 74LVC162244A | 16-bit buffer/line driver with 30 Ω termination resistors (3-state) | 1.2 - 3.6 | CMOS/LVTTL | ±24 | 50 | 2.9 | 175 | -40 to 125 |
| 74LVC16240A | 16-bit inverter/line driver (3-state) | 1.2 - 3.6 | CMOS/LVTTL | ±24 | 50 | 2.7 | 175 | -40 to 125 |
| 74LVC16241A | 16-bit buffer/line driver (3-state) | 1.2 - 3.6 | CMOS/LVTTL | ±24 | 50 | 2.9 | 175 | -40 to 125 |
| 74LVC16244A | 16-bit buffer/line driver (3-state) | 1.2 - 3.6 | CMOS/LVTTL | ±24 | 50 | 3.0 | 175 | -40 to 125 |
| 74LVC1G04 | Single inverter | 1.65 - 5.5 | CMOS/LVTTL | ±32 | 50 | 2.0 | 175 | -40 to 125 |
| 74LVC1G06 | Single inverter; open drain | 1.65 - 5.5 | CMOS/LVTTL | 32 | 50 | 2.3 | 175 | -40 to 125 |
| 74LVC1G07 | Single buffer; open drain | 1.65 - 5.5 | CMOS/LVTTL | 32 | 50 | 2.2 | 175 | -40 to 125 |

Buffers / Inverters

| Type number | Description | V _{CC} (V) | Logic switching levels | Output drive capability (mA) | Output Load CL (pF) | t _{pd} (ns) | f _{max} (MHz) | T _{amb} (°C) |
|---------------|--|---------------------|------------------------|------------------------------|---------------------|----------------------|------------------------|-----------------------|
| 74LVC1G125 | Single buffer/line driver; TTL-enabled (3-state) | 1.65 - 5.5 | CMOS/LVTTL | ±32 | 50 | 2.1 | 175 | -40 to 125 |
| 74LVC1G126 | Single buffer/line driver; TTL-enabled (3-state) | 1.65 - 5.5 | CMOS/LVTTL | ±32 | 50 | 2.0 | 175 | -40 to 125 |
| 74LVC1G14 | Single inverter; Schmitt-trigger | 1.65 - 5.5 | CMOS/LVTTL | ±32 | 50 | 3.0 | 175 | -40 to 125 |
| 74LVC1G16 | Single buffer | 1.65 - 5.5 | CMOS/LVTTL | ±24 | 50 | 2.0 | 175 | -40 to 125 |
| 74LVC1G17 | Single buffer; Schmitt-trigger | 1.65 - 5.5 | CMOS/LVTTL | ±32 | 50 | 3.0 | 175 | -40 to 125 |
| 74LVC1G240 | Single inverter/line driver (3-state) | 1.65 - 5.5 | CMOS/LVTTL | ±32 | 50 | 2.1 | 175 | -40 to 125 |
| 74LVC1G34 | Single buffer | 1.65 - 5.5 | CMOS/LVTTL | ±24 | 50 | 2.0 | 175 | -40 to 125 |
| 74LVC1GU04 | Single inverter; unbuffered | 1.65 - 5.5 | CMOS/LVTTL | ±32 | 50 | 1.6 | 175 | -40 to 125 |
| 74LVC2244A | Octal buffer/line driver with 30 Ω termination resistors (3-state) | 1.2 - 3.6 | CMOS/LVTTL | ±12 | 50 | 3.1 | 175 | -40 to 125 |
| 74LVC240A | Octal inverter/line driver (3-state) | 1.2 - 3.6 | CMOS/LVTTL | ±24 | 50 | 3.5 | 175 | -40 to 125 |
| 74LVC244A | Octal buffer/line driver (3-state) | 1.2 - 3.6 | CMOS/LVTTL | ±24 | 50 | 2.8 | 175 | -40 to 125 |
| 74LVC2G04 | Dual inverter | 1.65 - 5.5 | CMOS/LVTTL | ±24 | 50 | 2.7 | 175 | -40 to 125 |
| 74LVC2G06 | Dual inverter; open drain | 1.65 - 5.5 | CMOS/LVTTL | 32 | 50 | 2.3 | 175 | -40 to 125 |
| 74LVC2G07 | Dual buffer; open drain | 1.65 - 5.5 | CMOS/LVTTL | 32 | 50 | 2.6 | 175 | -40 to 125 |
| 74LVC2G125 | Dual buffer/line driver; TTL-enabled (3-state) | 1.65 - 5.5 | CMOS/LVTTL | ±32 | 50 | 2.3 | 175 | -40 to 125 |
| 74LVC2G126 | Dual buffer/line driver; TTL-enabled (3-state) | 1.65 - 5.5 | CMOS/LVTTL | ±32 | 50 | 2.4 | 175 | -40 to 125 |
| 74LVC2G14 | Dual inverter; Schmitt-trigger | 1.65 - 5.5 | CMOS/LVTTL | ±32 | 50 | 3.9 | 175 | -40 to 125 |
| 74LVC2G16 | Dual buffer | 1.65 - 5.5 | CMOS/LVTTL | ±24 | 50 | 2.0 | 175 | -40 to 125 |
| 74LVC2G17 | Dual buffer; Schmitt-trigger | 1.65 - 5.5 | CMOS/LVTTL | ±32 | 50 | 3.6 | 175 | -40 to 125 |
| 74LVC2G240 | Dual inverter/line driver (3-state) | 1.65 - 5.5 | CMOS/LVTTL | ±32 | 50 | 2.5 | 175 | -40 to 125 |
| 74LVC2G241 | Dual buffer/line driver (3-state) | 1.65 - 5.5 | CMOS/LVTTL | ±32 | 50 | 2.6 | 175 | -40 to 125 |
| 74LVC2G34 | Dual buffer | 1.65 - 5.5 | CMOS/LVTTL | ±32 | 50 | 2.2 | 175 | -40 to 125 |
| 74LVC2GU04 | Dual inverter; unbuffered | 1.65 - 5.5 | CMOS/LVTTL | ±32 | 50 | 2.3 | 175 | -40 to 125 |
| 74LVC3G04 | Triple inverter | 1.65 - 5.5 | CMOS/LVTTL | ±32 | 50 | 2.7 | 175 | -40 to 125 |
| 74LVC3G06 | Triple inverter; open drain | 1.65 - 5.5 | CMOS/LVTTL | 32 | 50 | 2.0 | 175 | -40 to 125 |
| 74LVC3G07 | Triple buffer; open drain | 1.65 - 5.5 | CMOS/LVTTL | 32 | 50 | 2.1 | 175 | -40 to 125 |
| 74LVC3G14 | Triple inverter; Schmitt-trigger | 1.65 - 5.5 | CMOS/LVTTL | ±32 | 50 | 3.2 | 175 | -40 to 125 |
| 74LVC3G16 | Triple buffer | 1.65 - 5.5 | CMOS/LVTTL | ±24 | 50 | 2.0 | 175 | -40 to 125 |
| 74LVC3G17 | Triple buffer; Schmitt-trigger | 1.65 - 5.5 | CMOS/LVTTL | ±32 | 50 | 3.6 | 175 | -40 to 125 |
| 74LVC3G34 | Triple buffer | 1.65 - 5.5 | CMOS/LVTTL | ±32 | 50 | 2.2 | 175 | -40 to 125 |
| 74LVC3GU04 | Triple inverter; unbuffered | 1.65 - 5.5 | CMOS/LVTTL | ±32 | 50 | 2.3 | 175 | -40 to 125 |
| 74LVC541A | Octal buffer/line driver (3-state) | 1.2 - 3.6 | CMOS/LVTTL | ±24 | 50 | 3.3 | 175 | -40 to 125 |
| 74LVCH162244A | 16-bit buffer/line driver with bus hold and 30 Ω termination resistors (3-state) | 1.2 - 3.6 | CMOS/LVTTL | ±12 | 50 | 2.9 | 175 | -40 to 125 |
| 74LVCH16244A | 16-bit buffer/line driver with bus hold (3-state) | 1.2 - 3.6 | CMOS/LVTTL | ±24 | 50 | 3.0 | 175 | -40 to 125 |
| 74LVCH16541A | 16-bit buffer/line driver with bus hold (3-state) | 1.2 - 3.6 | CMOS/LVTTL | ±24 | 50 | 2.7 | 175 | -40 to 125 |
| 74LVCH244A | Octal buffer/line driver with bus hold (3-state) | 1.2 - 3.6 | CMOS/LVTTL | ±24 | 50 | 2.8 | 175 | -40 to 125 |
| 74LVCU04A | Hex inverter; unbuffered | 1.2 - 3.6 | CMOS/LVTTL | ±24 | 50 | 2.0 | 175 | -40 to 125 |
| 74LVT04 | Hex inverter | 2.7 - 3.6 | TTL | -20 / 32 | 50 | 2.6 | 150 | -40 to 85 |
| 74LVT125 | Quad buffer/line driver with bus hold (3-state) | 2.7 - 3.6 | TTL | -32 / 64 | 50 | 2.9 | 150 | -40 to 85 |
| 74LVT126 | Quad buffer/line driver with bus hold (3-state) | 2.7 - 3.6 | TTL | -32 / 64 | 50 | 2.4 | 150 | -40 to 85 |
| 74LVT14 | Hex inverter; Schmitt-trigger | 2.7 - 3.6 | TTL | -32 / 64 | 50 | 3.8 | 150 | -40 to 85 |

Buffers / Inverters

| Type number | Description | V _{CC} (V) | Logic switching levels | Output drive capability (mA) | Output Load CL (pF) | t _{pd} (ns) | f _{max} (MHz) | T _{amb} (°C) |
|--------------|--|---------------------|------------------------|------------------------------|---------------------|----------------------|------------------------|-----------------------|
| 74LVT162240A | 16-bit inverter/line driver with bus hold and 30 Ω termination (3-state) | 2.7 - 3.6 | TTL | ±12 | 50 | 2.6 | 150 | -40 to 85 |
| 74LVT162244B | 16-bit buffer/line driver with bus hold and 30 Ω termination resistors (3-state) | 2.7 - 3.6 | TTL | ±12 | 50 | 2.8 | 150 | -40 to 85 |
| 74LVT16240A | 16-bit inverter/line driver with bus hold (3-state) | 2.7 - 3.6 | TTL | -32 / 64 | 50 | 2.0 | 150 | -40 to 85 |
| 74LVT16244B | 16-bit buffer/line driver with bus hold (3-state) | 2.7 - 3.6 | TTL | -32 / 64 | 50 | 1.8 | 150 | -40 to 85 |
| 74LVT2241 | Octal buffer/line driver with bus hold and 30 Ω termination resistors (3-state) | 2.7 - 3.6 | TTL | ±12 | 50 | 3.3 | 150 | -40 to 85 |
| 74LVT2244 | Octal buffer/line driver with bus hold and 30 Ω termination resistors (3-state) | 2.7 - 3.6 | TTL | ±12 | 50 | 2.9 | 150 | -40 to 85 |
| 74LVT240 | Octal inverter/line driver with bus hold (3-state) | 2.7 - 3.6 | TTL | -32 / 64 | 50 | 2.5 | 150 | -40 to 85 |
| 74LVT241 | Octal buffer/line driver with bus hold (3-state) | 2.7 - 3.6 | TTL | -32 / 64 | 50 | 2.8 | 150 | -40 to 85 |
| 74LVT244A | Octal buffer/line driver with bus hold (3-state) | 2.7 - 3.6 | TTL | -32 / 64 | 50 | 2.6 | 150 | -40 to 85 |
| 74LVT244B | Octal buffer/line driver with bus hold (3-state) | 2.7 - 3.6 | TTL | -32 / 64 | 50 | 2.0 | 150 | -40 to 85 |
| 74LVTH125 | Quad buffer/line driver with bus hold (3-state) | 2.7 - 3.6 | TTL | -32 / 64 | 50 | 2.9 | 150 | -40 to 85 |
| 74LVTH16244B | 16-bit buffer/line driver with bus hold (3-state) | 2.7 - 3.6 | TTL | -32 / 64 | 50 | 1.8 | 150 | -40 to 85 |
| 74LVTH244A | Octal buffer/line driver with bus hold (3-state) | 2.7 - 3.6 | TTL | -32 / 64 | 50 | 2.6 | 150 | -40 to 85 |
| 74LVTH244B | Octal buffer/line driver with bus hold (3-state) | 2.7 - 3.6 | TTL | -32 / 64 | 50 | 2.0 | 150 | -40 to 85 |
| 74LVTN16244B | 16-bit buffer/line driver (3-state) | 2.7 - 3.6 | TTL | -32 / 64 | 50 | 1.8 | 150 | -40 to 85 |
| 74VHC125 | Quad buffer/line driver (3-state) | 2.0 - 5.5 | CMOS | ±8 | 50 | 3.0 | 60 | -40 to 125 |
| 74VHC126 | Quad buffer/line driver (3-state) | 2.0 - 5.5 | CMOS | ±8 | 50 | 3.3 | 60 | -40 to 125 |
| 74VHC14 | Hex inverter; Schmitt-trigger | 2.0 - 5.5 | CMOS | ±8 | 50 | 3.2 | 60 | -40 to 125 |
| 74VHC244 | Octal inverter/line driver (3-state) | 2.0 - 5.5 | CMOS | ±8 | 50 | 3.5 | 60 | -40 to 125 |
| 74VHC541 | Octal buffer/line driver (3-state) | 2.0 - 5.5 | CMOS | ±8 | 50 | 3.5 | 60 | -40 to 125 |
| 74VHCT125 | Quad buffer/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | ±8 | 50 | 3.0 | 60 | -40 to 125 |
| 74VHCT126 | Quad buffer/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | ±8 | 50 | 3.0 | 60 | -40 to 125 |
| 74VHCT14 | Hex inverter; Schmitt-trigger; TTL-enabled | 4.5 - 5.5 | TTL | ±8 | 50 | 4.1 | 60 | -40 to 125 |
| 74VHCT244 | Octal inverter/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | ±8 | 50 | 5.0 | 60 | -40 to 125 |
| 74VHCT541 | Octal buffer/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | ±8 | 50 | 3.5 | 60 | -40 to 125 |
| HEF40244B | Octal buffer/line driver (3-state) | 3.0 - 15.0 | CMOS | -62 / 45 | 50 | 30 | 10 | -40 to 125 |
| HEF4049B | Hex inverter/line driver | 3.0 - 15.0 | CMOS | -3 / 20 | 50 | 20 | 10 | -40 to 125 |
| HEF4050B | Hex buffer/line driver | 3.0 - 15.0 | CMOS | -3 / 20 | 50 | 40 | 10 | -40 to 125 |
| HEF4069UB | Hex inverter; unbuffered | 3.0 - 15.0 | CMOS | ±3.4 | 50 | 15 | 10 | -40 to 125 |
| XC7SET04 | Single inverter; TTL-enabled | 4.5 - 5.5 | TTL | ±8 | 50 | 3.5 | 60 | -40 to 125 |
| XC7SET125 | Single buffer/line driver; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | ±8 | 50 | 3.4 | 60 | -40 to 125 |
| XC7SET14 | Single inverter; Schmitt-trigger; TTL-enabled | 4.5 - 5.5 | TTL | ±8 | 50 | 4.1 | 60 | -40 to 125 |
| XC7SH04 | Single inverter | 2.0 - 5.5 | CMOS | ±8 | 50 | 3.5 | 60 | -40 to 125 |
| XC7SH125 | Single buffer/line driver (3-state) | 2.0 - 5.5 | CMOS | ±8 | 50 | 3.4 | 60 | -40 to 125 |
| XC7SH14 | Single inverter; Schmitt-trigger | 2.0 - 5.5 | CMOS | ±8 | 50 | 3.2 | 60 | -40 to 125 |
| XC7SHU04 | Single inverter; unbuffered | 2.0 - 5.5 | CMOS | ±8 | 50 | 3.5 | 60 | -40 to 125 |
| XC7WH126 | Dual buffer/line driver (3-state) | 2.0 - 5.5 | CMOS | ±8 | 50 | 3.4 | 60 | -40 to 125 |
| XC7WH14 | Triple inverter; Schmitt-trigger | 2.0 - 5.5 | CMOS | ±8 | 50 | 3.2 | 60 | -40 to 125 |
| XC7WT14 | Triple inverter; Schmitt-trigger; TTL-enabled | 4.5 - 5.5 | TTL | ±8 | 50 | 4.1 | 60 | -40 to 125 |

Transceivers

| Type number | Description | V _{CC} (V) | Logic switching levels | Output drive capability (mA) | t _{pd} (ns) | Number of bits | f _{max} (MHz) | T _{vj} (°C) |
|---------------|--|---------------------|------------------------|------------------------------|----------------------|----------------|------------------------|----------------------|
| 74ABT162245A | 16-bit transceiver with 30 ohm termination resistors (3-state) | 4.5 - 5.5 | TTL | -32 / 12 | 3.0 | 16 | 100 | -40 to 85 |
| 74ABT16245B | 16-bit transceiver (3-state) | 4.5 - 5.5 | TTL | -32 / 64 | 2.3 | 16 | 150 | -40 to 85 |
| 74ABT245 | Octal transceiver (3-state) | 4.5 - 5.5 | TTL | -32 / 64 | 2.9 | 8 | 100 | -40 to 85 |
| 74ABTH162245A | 16-bit transceiver with bus hold and 30 ohm termination resistors (3-state) | 4.5 - 5.5 | TTL | -32 / 12 | 3.0 | 16 | 80 | -40 to 85 |
| 74AHC245 | Octal transceiver (3-state) | 2.0 - 5.5 | CMOS | ±8 | 3.5 | 8 | 60 | -40 to 125 |
| 74AHCT245 | Octal transceiver; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | ±8 | 5.0 | 8 | 60 | -40 to 125 |
| 74AHCT245A | Octal transceiver; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | ±8 | 3.0 | 8 | 60 | -40 to 125 |
| 74AHCV245A | Octal transceiver; Schmitt-trigger (3-state) | 1.8 - 5.5 | CMOS | ±16 | 3.2 | 8 | 60 | -40 to 125 |
| 74ALVC16245 | 16-bit transceiver (3-state) | 1.65 - 3.6 | TTL | ±24 | 1.9 | 16 | 150 | -40 to 85 |
| 74ALVC245 | Octal transceiver (3-state) | 1.65 - 3.6 | TTL | ±24 | 2.3 | 8 | 130 | -40 to 85 |
| 74ALVCH162245 | 16-bit transceiver with bus hold and 30 Ω termination resistors (3-state) | 1.65 - 3.6 | TTL | ±12 | 2.4 | 16 | 150 | -40 to 85 |
| 74ALVCH16245 | 16-bit transceiver with bus hold (3-state) | 1.65 - 3.6 | TTL | ±24 | 1.9 | 16 | 150 | -40 to 85 |
| 74ALVCH162601 | 18-bit universal bus transceiver with bus hold and 30 Ω termination resistors; positive-edge trigger (3-state) | 1.65 - 3.6 | TTL | ±12 | 3.1 | 18 | 150 | -40 to 85 |
| 74ALVCH16500 | 18-bit universal bus transceiver with bus hold; negative edge trigger (3-state) | 1.65 - 3.6 | TTL | ±24 | 2.9 | 18 | 150 | -40 to 85 |
| 74ALVCH16501 | 18-bit universal bus transceiver with bus hold; positive edge trigger (3-state) | 1.65 - 3.6 | TTL | ±24 | 2.8 | 18 | 150 | -40 to 85 |
| 74ALVCH16543 | 16-bit registered transceiver with bus hold (3-state) | 1.65 - 3.6 | TTL | ±24 | 3.8 | 16 | 150 | -40 to 85 |
| 74ALVCH16600 | 18-bit universal bus transceiver with bus hold; negative edge trigger (3-state) | 1.65 - 3.6 | TTL | ±24 | 2.8 | 18 | 150 | -40 to 85 |
| 74ALVCH16601 | 18-bit universal bus transceiver with bus hold; positive edge trigger (3-state) | 1.65 - 3.6 | TTL | ±24 | 2.8 | 18 | 150 | -40 to 85 |
| 74ALVCH16646 | 16-bit registered transceiver with bus hold (3-state) | 1.65 - 3.6 | TTL | ±24 | 2.6 | 16 | 150 | -40 to 85 |
| 74ALVCH16652 | 16-bit registered transceiver with bus hold (3-state) | 1.65 - 3.6 | TTL | ±24 | 2.6 | 16 | 150 | -40 to 85 |
| 74ALVCH16952 | 16-bit registered transceiver with bus hold (3-state) | 1.65 - 3.6 | TTL | ±24 | 3.2 | 16 | 150 | -40 to 85 |
| 74ALVT162245 | 16-bit transceiver with bus hold and 30 Ω termination resistors (3-state) | 2.3 - 3.6 | TTL | ±12 | 2.3 | 16 | 75 | -40 to 85 |
| 74HC245 | Octal transceiver (3-state) | 2.0 - 6.0 | CMOS | ±7.8 | 7.0 | 8 | 36 | -40 to 125 |
| 74HCT245 | Octal transceiver; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | ±6 | 10 | 8 | 36 | -40 to 125 |
| 74LV245 | Octal transceiver (3-state) | 1.0 - 5.5 | TTL | ±16 | 7.0 | 8 | 30 | -40 to 125 |
| 74LV245A | Octal transceiver (3-state) | 2.0 - 5.5 | CMOS | ±16 | 3 | 8 | 60 | -40 to 125 |
| 74LV245AT | Octal transceiver; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | ±16 | 3 | 8 | 60 | -40 to 125 |
| 74LVC162245A | 16-bit transceiver with 30 Ω termination resistors (3-state) | 1.2 - 3.6 | CMOS/ LVTTTL | ±12 | 3.3 | 16 | 175 | -40 to 125 |
| 74LVC16245A | 16-bit transceiver (3-state) | 1.2 - 3.6 | CMOS/ LVTTTL | ±24 | 3.0 | 16 | 175 | -40 to 125 |
| 74LVC2245A | Octal transceiver with 30 Ω termination resistors (3-state) | 1.2 - 3.6 | CMOS/ LVTTTL | ±12 | 3.3 | 8 | 175 | -40 to 125 |
| 74LVC245A | Octal transceiver (3-state) | 1.2 - 3.6 | CMOS/ LVTTTL | ±24 | 2.9 | 8 | 175 | -40 to 125 |
| 74LVCH162245A | 16-bit transceiver with bus hold and 30 Ω termination resistors (3-state) | 1.2 - 3.6 | CMOS/ LVTTTL | ±12 | 3.3 | 16 | 175 | -40 to 125 |
| 74LVCH16245A | 16-bit transceiver with bus hold (3-state) | 1.2 - 3.6 | CMOS/ LVTTTL | ±24 | 3.0 | 16 | 175 | -40 to 125 |
| 74LVCH245A | Octal transceiver with bus hold (3-state) | 1.2 - 3.6 | CMOS/ LVTTTL | ±24 | 2.9 | 8 | 175 | -40 to 125 |
| 74LVT162245B | 16-bit transceiver with bus hold and 30 Ω termination resistors (3-state) | 2.7 - 3.6 | TTL | ±12 | 2.5 | 16 | 150 | -40 to 85 |
| 74LVT16245B | 16-bit transceiver with bus hold (3-state) | 2.7 - 3.6 | TTL | -32 / 64 | 1.9 | 16 | 150 | -40 to 85 |
| 74LVT16543A | 16-bit registered transceiver with bus hold (3-state) | 2.7 - 3.6 | TTL | -32 / 64 | 2.2 | 16 | 150 | -40 to 85 |

Transceivers

| Type number | Description | V _{CC} (V) | Logic switching levels | Output drive capability (mA) | t _{pd} (ns) | Number of bits | f _{max} (MHz) | T _v (°C) |
|--------------|--|---------------------|------------------------|------------------------------|----------------------|----------------|------------------------|---------------------|
| 74LVT16543A | 16-bit registered transceiver with bus hold (3-state) | 2.7 - 3.6 | TTL | -32 / 64 | 2 | 16 | 150 | -40 to 85 |
| 74LVT2245 | Octal transceiver with bus hold and 30 Ω termination resistors (3-state) | 2.7 - 3.6 | TTL | ±12 | 3.2 | 8 | 150 | -40 to 85 |
| 74LVT245 | Octal transceiver (3-state) | 2.7 - 3.6 | TTL | -32 / 64 | 2.4 | 8 | 150 | -40 to 85 |
| 74LVT245B | Octal transceiver (3-state) | 2.7 - 3.6 | TTL | -32 / 64 | 2 | 8 | 150 | -40 to 85 |
| 74LVT640 | Octal transceiver with bus hold; inverting (3-state) | 2.7 - 3.6 | TTL | -32 / 64 | 2.4 | 8 | 150 | -40 to 85 |
| 74LVTH16245B | 16-bit transceiver with bus hold (3-state) | 2.7 - 3.6 | TTL | -32 / 64 | 1.9 | 16 | 150 | -40 to 85 |
| 74LVTH2245 | Octal transceiver with bus hold and 30 Ω termination resistors (3-state) | 2.7 - 3.6 | TTL | ±12 | 3.2 | 8 | 150 | -40 to 85 |
| 74LVTN16245B | 16-bit transceiver (3-state) | 2.7 - 3.6 | TTL | -32 / 64 | 1.9 | 16 | 150 | -40 to 85 |
| 74VHC245 | Octal transceiver (3-state) | 2.0 - 5.5 | CMOS | ±8 | 3.5 | 8 | 60 | -40 to 125 |
| 74VHCT245 | Octal transceiver; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | ±8 | 5.0 | 8 | 60 | -40 to 125 |

AND gates

| Type number | Description | V _{CC} (V) | Logic switching levels | Output drive capability (mA) | t _{pd} (ns) | Output Load C _L (typ) (pF) | f _{max} (MHz) | Number of bits | T _{amb} (°C) |
|-------------|--|---------------------|------------------------|------------------------------|----------------------|---------------------------------------|------------------------|----------------|-----------------------|
| 74ABT08 | Quad 2-input AND gate | 4.5 - 5.5 | TTL | -15 / 20 | 2.4 | 50 | 100 | 4 | -40 to 85 |
| 74AHC08 | Quad 2-input AND gate | 2.0 - 5.5 | CMOS | ±8 | 3.5 | 50 | 60 | 4 | -40 to 125 |
| 74AHC1G08 | Single 2-input AND gate | 2.0 - 5.5 | CMOS | ±8 | 3.2 | 50 | 60 | 1 | -40 to 125 |
| 74AHC1G09 | Single 2-input AND gate; open drain | 2.0 - 5.5 | CMOS | ±8 | 3.2 | 50 | 60 | 1 | -40 to 125 |
| 74AHC2G08 | Dual 2-input AND gate | 2.0 - 5.5 | CMOS | ±8 | 3.2 | 50 | 60 | 2 | -40 to 125 |
| 74AHCT08 | Quad 2-input AND gate; TTL-enabled | 4.5 - 5.5 | TTL | ±8 | 5.0 | 50 | 60 | 4 | -40 to 125 |
| 74AHCT1G08 | Single 2-input AND gate; TTL-enabled | 4.5 - 5.5 | TTL | ±8 | 3.6 | 50 | 60 | 1 | -40 to 125 |
| 74AHCT2G08 | Dual 2-Input AND gate; TTL-enabled | 4.5 - 5.5 | TTL | ±8 | 3.6 | 50 | 60 | 2 | -40 to 125 |
| 74ALVC08 | Quad 2-input AND gate | 1.65 - 3.6 | CMOS/ LVTTTL | ±24 | 2.0 | 50 | 145 | 4 | -40 to 85 |
| 74AUP1T08 | Single supply 2-input voltage-translating AND gate | 2.3 - 3.6 | CMOS | ±4 | 3.8 | 15 | 70 | 1 | -40 to 125 |
| 74AUP2G08 | Dual 2-input AND gate | 1.1 - 3.6 | CMOS | ±1.9 | 8.2 | 30 | 70 | 2 | -40 to 125 |
| 74AXP1G08 | Single 2-input AND gate | 0.7 - 2.75 | CMOS | ±4.5 | 2.6 | 5 | 70 | 1 | -40 to 85 |
| 74AXP1G09 | Single 2-input AND gate with open-drain output | 0.7 - 2.75 | CMOS | ±4.5 | 2.6 | 5 | 70 | 1 | -40 to 85 |
| 74AXP1G11 | Single 3-input AND gate | 0.7 - 2.75 | CMOS | ±4.5 | 2.6 | 5 | 70 | 1 | -40 to 85 |
| 74HC08 | Quad 2-input AND gate | 2.0 - 6.0 | CMOS | ±5.2 | 7.0 | 50 | 36 | 4 | -40 to 125 |
| 74HC11 | Triple 3-input AND gate | 2.0 - 6.0 | CMOS | ±5.2 | 10 | 50 | 36 | 3 | -40 to 125 |
| 74HC1G08 | Single 2-input AND gate | 2.0 - 6.0 | CMOS | ±5.2 | 7.0 | 50 | 36 | 1 | -40 to 125 |
| 74HC21 | Dual 4-input AND gate | 2.0 - 6.0 | CMOS | ±5.2 | 10 | 50 | 36 | 2 | -40 to 125 |
| 74HC2G08 | Dual 2-input AND gate | 2.0 - 6.0 | CMOS | ±5.2 | 9.0 | 50 | 36 | 2 | -40 to 125 |
| 74HCT08 | Quad 2-input AND gate; TTL-enabled | 4.5 - 5.5 | TTL | ±4 | 11 | 50 | 36 | 4 | -40 to 125 |
| 74HCT11 | Triple 3-input AND gate | 4.5 - 5.5 | TTL | ±4 | 11 | 50 | 36 | 3 | -40 to 125 |
| 74HCT1G08 | Single 2-input AND gate; TTL-enabled | 4.5 - 5.5 | TTL | ±2 | 11 | 50 | 36 | 1 | -40 to 125 |
| 74HCT2G08 | Dual 2-Input AND gate; TTL-enabled | 4.5 - 5.5 | TTL | ±4 | 14 | 50 | 36 | 2 | -40 to 125 |
| 74LV08 | Quad 2-input AND gate | 1.0 - 5.5 | TTL | ±12 | 7.0 | 50 | 30 | 4 | -40 to 125 |
| 74LV08A | Quad 2-input AND gate | 2.0 - 5.5 | CMOS | ±12 | 4.3 | 15 | 45 | 4 | -40 to 125 |
| 74LV1T08 | Single supply 2-input translating AND gate | 1.6 - 5.5 | CMOS | ±8 | 6.5 | 15 | 60 | 1 | -40 to 125 |
| 74LVC08A | Quad 2-input AND gate | 1.2 - 3.6 | CMOS/ LVTTTL | ±24 | 2.1 | 50 | 150 | 4 | -40 to 125 |
| 74LVC11 | Triple 3-input AND gate | 1.2 - 3.6 | CMOS/ LVTTTL | ±24 | 3.7 | 50 | 150 | 3 | -40 to 125 |
| 74LVC1G08 | Single 2-input AND gate | 1.65 - 5.5 | CMOS/ LVTTTL | ±24 | 2.1 | 50 | 150 | 1 | -40 to 125 |
| 74LVC1G11 | Single 3-input AND gate | 1.65 - 5.5 | CMOS/ LVTTTL | ±24 | 2.6 | 50 | 150 | 1 | -40 to 125 |
| 74LVC2G08 | Dual 2-input AND gate | 1.65 - 5.5 | CMOS/ LVTTTL | ±24 | 2.1 | 50 | 150 | 2 | -40 to 125 |
| 74LVT08 | Quad 2-input AND gate | 2.7 - 3.6 | TTL | -20 / 32 | 3.4 | 50 | 150 | 4 | -40 to 85 |
| 74VHC08 | Quad 2-input AND gate | 2.0 - 5.5 | CMOS | ±8 | 3.5 | 50 | 60 | 4 | -40 to 125 |
| 74VHCT08 | Quad 2-input AND gate; TTL-enabled | 4.5 - 5.5 | TTL | ±8 | 5.0 | 50 | 60 | 4 | -40 to 125 |
| HEF4073B | Triple 3-input AND gate | 3.0 - 15 | CMOS | ±2.4 | 20 | 50 | 10 | 3 | -40 to 85 |
| HEF4081B | Quad 2-input AND gate | 3.0 - 15 | CMOS | ±2.4 | 20 | 50 | 10 | 4 | -40 to 85 |
| HEF4082B | Dual 4-input AND gate | 3.0 - 15 | CMOS | ±2.4 | 25 | 50 | 10 | 2 | -40 to 85 |
| XC7SET08 | Single 2-input AND gate; TTL-enabled | 4.5 - 5.5 | TTL | ±8 | 3.6 | 50 | 60 | 1 | -40 to 125 |
| XC7SH08 | Single 2-input AND gate | 2.0 - 5.5 | CMOS | ±8 | 3.2 | 50 | 60 | 1 | -40 to 125 |

NAND gates

| Type number | Description | V _{cc} (V) | Logic switching levels | Output drive capability (mA) | t _{pd} (ns) | Output Load C _L (typ) (pF) | f _{max} (MHz) | Number of bits | T _{amb} (°C) |
|-------------|---|---------------------|------------------------|------------------------------|----------------------|---------------------------------------|------------------------|----------------|-----------------------|
| 74ABT00 | Quad 2-input NAND gate | 4.5 - 5.5 | TTL | -15 / 20 | 2.5 | 50 | 100 | 4 | -40 to 85 |
| 74AHC00 | Quad 2-input NAND gate | 2.0 - 5.5 | CMOS | ±8 | 3.2 | 50 | 60 | 4 | -40 to 125 |
| 74AHC132 | Quad 2-input NAND gate Schmitt-trigger | 2.0 - 5.5 | CMOS | ±8 | 3.3 | 50 | 60 | 4 | -40 to 125 |
| 74AHC1G00 | Single 2-input NAND gate | 2.0 - 5.5 | CMOS | ±8 | 3.5 | 50 | 60 | 1 | -40 to 125 |
| 74AHC2G00 | Dual 2-input NAND gate | 2.0 - 5.5 | CMOS | ±8 | 3.5 | 50 | 60 | 2 | -40 to 125 |
| 74AHCT00 | Quad 2-input NAND gate; TTL-enabled | 4.5 - 5.5 | TTL | ±8 | 3.3 | 50 | 60 | 4 | -40 to 125 |
| 74AHCT132 | Quad 2-input NAND gate Schmitt-trigger; TTL-enabled | 4.5 - 5.5 | TTL | ±8 | 3.5 | 50 | 60 | 4 | -40 to 125 |
| 74AHCT1G00 | Single 2-input NAND gate; TTL-enabled | 4.5 - 5.5 | TTL | ±8 | 3.6 | 50 | 60 | 1 | -40 to 125 |
| 74AHCT2G00 | Dual 2-input NAND gate; TTL-enabled | 4.5 - 5.5 | TTL | ±8 | 3.6 | 50 | 60 | 2 | -40 to 125 |
| 74AUP1T00 | Single supply 2-input voltage-translating NAND gate | 2.3 - 3.6 | CMOS | ±4 | 3.8 | 15 | 70 | 1 | -40 to 125 |
| 74AUP2G132 | Dual 2-input NAND gate Schmitt-trigger | 1.1 - 3.6 | CMOS | ±1.9 | 10 | 30 | 70 | 2 | -40 to 125 |
| 74HC132 | Quad 2-input NAND gate Schmitt-trigger | 2.0 - 6.0 | CMOS | ±5.2 | 11 | 50 | 36 | 4 | -40 to 125 |
| 74HCT132 | Quad 2-input NAND gate Schmitt-trigger; TTL-enabled | 4.5 - 5.5 | TTL | ±4 | 17 | 50 | 36 | 4 | -40 to 125 |
| 74LV00A | Quad 2-input NAND gate | 2.0 - 5.5 | CMOS | ±12 | 4.3 | 15 | 45 | 4 | -40 to 125 |
| 74LV132 | Quad 2-input NAND gate Schmitt-trigger | 1.0 - 5.5 | TTL | ±12 | 10 | 50 | 30 | 4 | -40 to 125 |
| 74LVC132A | Quad 2-input NAND gate Schmitt-trigger | 1.2 - 3.6 | CMOS/ LVTTTL | ±24 | 3.4 | 50 | 175 | 4 | -40 to 125 |
| HEF4093B | Quad 2-input NAND gate Schmitt-trigger | 3.0 - 15 | CMOS | ±2.4 | 3.0 | 50 | 10 | 4 | -40 to 85 |
| 74AHC30 | 8-input NAND gate | 2.0 - 5.5 | CMOS | ±8 | 3.6 | 50 | 60 | 1 | -40 to 125 |
| 74AHCT30 | 8-input NAND gate; TTL-enabled | 4.5 - 5.5 | TTL | ±8 | 3.3 | 50 | 60 | 1 | -40 to 125 |
| 74ALVC00 | Quad 2-input NAND gate | 1.65 - 3.6 | CMOS/ LVTTTL | ±24 | 2.1 | 50 | 145 | 4 | -40 to 85 |
| 74AUP1G00 | Single 2-input NAND gate | 1.1 - 3.6 | CMOS | ±1.9 | 8.3 | 30 | 70 | 1 | -40 to 125 |
| 74AUP1G132 | Single 2-input NAND gate Schmitt trigger | 1.1 - 3.6 | CMOS | ±1.9 | 10 | 30 | 70 | 1 | -40 to 125 |
| 74AUP1G38 | Single 2-input NAND gate; open drain | 1.1 - 3.6 | CMOS | 1.9 | 8.5 | 30 | 70 | 1 | -40 to 125 |
| 74AUP2G00 | Dual 2-input NAND gate | 1.1 - 3.6 | CMOS | ±1.9 | 8.3 | 30 | 70 | 2 | -40 to 125 |
| 74AUP2G38 | Dual 2-input NAND gate; open drain | 1.1 - 3.6 | CMOS | 1.9 | 8.5 | 30 | 70 | 2 | -40 to 125 |
| 74HC00 | Quad 2-input NAND gate | 2.0 - 6.0 | CMOS | ±5.2 | 7.0 | 50 | 36 | 4 | -40 to 125 |
| 74HC03 | Quad 2-input NAND gate; open drain | 2.0 - 6.0 | CMOS | 5.2 | 8.0 | 50 | 36 | 4 | -40 to 125 |
| 74HC10 | Triple 3-input NAND gate | 2.0 - 6.0 | CMOS | ±5.2 | 9.0 | 50 | 36 | 3 | -40 to 125 |
| 74HC1G00 | Single 2-input NAND gate | 2.0 - 6.0 | CMOS | ±2.6 | 7.0 | 50 | 36 | 1 | -40 to 125 |
| 74HC20 | Dual 4-input NAND gate | 2.0 - 6.0 | CMOS | ±5.2 | 8.0 | 50 | 36 | 2 | -40 to 125 |
| 74HC2G00 | Dual 2-input NAND gate | 2.0 - 6.0 | CMOS | ±5.6 | 9.0 | 50 | 36 | 2 | -40 to 125 |
| 74HC30 | 8-input NAND gate | 2.0 - 6.0 | CMOS | ±5.2 | 12 | 50 | 36 | 1 | -40 to 125 |
| 74HCT00 | Quad 2-input NAND gate; TTL-enabled | 4.5 - 5.5 | TTL | ±4 | 10 | 50 | 36 | 4 | -40 to 125 |
| 74HCT03 | Quad 2-input NAND gate; TTL-enabled; open drain | 4.5 - 5.5 | TTL | ±4 | 10 | 50 | 36 | 4 | -40 to 125 |
| 74HCT10 | Triple 3-input NAND gate; TTL-enabled | 4.5 - 5.5 | TTL | ±4 | 11 | 50 | 36 | 3 | -40 to 125 |
| 74HCT1G00 | Single 2-input NAND gate; TTL-enabled | 4.5 - 5.5 | TTL | ±2 | 10 | 50 | 36 | 1 | -40 to 125 |
| 74HCT2G00 | Dual 2-input NAND gate; TTL-enabled | 4.5 - 5.5 | TTL | ±4 | 12 | 50 | 36 | 2 | -40 to 125 |
| 74HCT30 | 8-input NAND gate; TTL-enabled | 4.5 - 5.5 | TTL | ±4 | 12 | 50 | 36 | 1 | -40 to 125 |
| 74LV00 | Quad 2-input NAND gate | 1.0 - 5.5 | TTL | ±12 | 7 | 50 | 30 | 4 | -40 to 125 |
| 74LV03 | Quad 2-input NAND gate; TTL-enabled; open drain | 1.0 - 5.5 | TTL | ±12 | 8.0 | 50 | 30 | 4 | -40 to 125 |
| 74LV1T00 | Single supply 2-input translating NAND gate | 1.6 - 5.5 | CMOS | ±8 | 6.4 | 15 | 60 | 1 | -40 to 125 |
| 74LVC00A | Quad 2-input NAND gate | 1.2 - 3.6 | CMOS/ LVTTTL | ±24 | 2.1 | 50 | 150 | 4 | -40 to 125 |
| 74LVC10A | Triple 3-input NAND gate | 1.2 - 3.6 | CMOS/ LVTTTL | ±24 | 3.9 | 50 | 150 | 3 | -40 to 125 |

NAND gates

| Type number | Description | V _{cc} (V) | Logic switching levels | Output drive capability (mA) | t _{pd} (ns) | Output Load C _L (typ) (pF) | f _{max} (MHz) | Number of bits | T _{amb} (°C) |
|-------------|--------------------------------------|---------------------|------------------------|------------------------------|----------------------|---------------------------------------|------------------------|----------------|-----------------------|
| 74LVC1G00 | Single 2-input NAND gate | 1.65 - 5.5 | CMOS/LVTTL | ±32 | 2.2 | 50 | 175 | 1 | -40 to 125 |
| 74LVC1G10 | Single 3-input NAND gate | 1.65 - 5.5 | CMOS/LVTTL | ±32 | 2.6 | 50 | 175 | 1 | -40 to 125 |
| 74LVC1G38 | Single 2-input NAND gate; open drain | 1.65 - 5.5 | CMOS/LVTTL | 32 | 2.3 | 50 | 175 | 1 | -40 to 125 |
| 74LVC2G00 | Dual 2-input NAND gate | 1.65 - 5.5 | CMOS/LVTTL | ±32 | 2.2 | 50 | 175 | 2 | -40 to 125 |
| 74LVC2G38 | Dual 2-input NAND gate; open drain | 1.65 - 5.5 | CMOS/LVTTL | 32 | 2.1 | 50 | 175 | 2 | -40 to 125 |
| HEF4011B | Quad 2-input NAND gate | 3.0 - 15 | CMOS | ±2.4 | 20 | 50 | 10 | 4 | -40 to 85 |

OR gates

| Type number | Description | V _{cc} (V) | Logic switching levels | Output drive capability (mA) | t _{pd} (ns) | Output Load C _L (typ) (pF) | f _{max} (MHz) | Number of bits | T _{amb} (°C) |
|-------------|---|---------------------|------------------------|------------------------------|----------------------|---------------------------------------|------------------------|----------------|-----------------------|
| 74ABT32 | Quad 2-input OR gate | 4.5 - 5.5 | TTL | -15 / 20 | 2.3 | 50 | 100 | 4 | -40 to 85 |
| 74AHC1G32 | Single 2-input OR gate | 2.0 - 5.5 | CMOS | ±8 | 3.2 | 50 | 60 | 1 | -40 to 125 |
| 74AHCT1G32 | Single 2-input OR gate | 4.5 - 5.5 | TTL | ±8 | 3.3 | 50 | 60 | 1 | -40 to 125 |
| 74AHC2G32 | Dual 2-input OR gate | 2.0 - 5.5 | CMOS | ±8 | 3.2 | 50 | 60 | 2 | -40 to 125 |
| 74AHCT2G32 | Dual 2-input OR gate | 4.5 - 5.5 | TTL | ±8 | 3.3 | 50 | 60 | 2 | -40 to 125 |
| 74AHC32 | Quad 2-input OR gate | 2.0 - 5.5 | CMOS | ±8 | 3.5 | 50 | 60 | 4 | -40 to 125 |
| 74AHCT32 | Quad 2-input OR gate; TTL-enabled | 4.5 - 5.5 | TTL | ±8 | 5.0 | 50 | 60 | 4 | -40 to 125 |
| 74ALVC32 | Quad 2-input OR gate | 1.65 - 3.6 | CMOS/LVTTL | ±24 | 2.0 | 50 | 150 | 4 | -40 to 125 |
| 74AUP1G32 | Single 2-input OR gate | 1.1 - 3.6 | CMOS | ±1.9 | 7.9 | 30 | 70 | 1 | -40 to 125 |
| 74AUP1G332 | Single 3-input OR gate | 1.1 - 3.6 | CMOS | ±1.9 | 6.8 | 30 | 70 | 1 | -40 to 125 |
| 74AUP1T32 | Single supply 2-input voltage-translating OR gate | 2.3 - 3.6 | CMOS | ±4 | 3.7 | 15 | 70 | 1 | -40 to 125 |
| 74AUP2G32 | Dual 2-input OR gate | 1.1 - 3.6 | CMOS | ±1.9 | 7.9 | 30 | 70 | 2 | -40 to 125 |
| 74HC1G32 | Single 2-input OR gate | 2.0 - 6.0 | CMOS | ±2.6 | 8.0 | 50 | 36 | 1 | -40 to 125 |
| 74HCT1G32 | Single 2-input OR gate; TTL-enabled | 4.5 - 5.5 | TTL | ±2.0 | 10 | 50 | 36 | 1 | -40 to 125 |
| 74HC2G32 | Dual 2-input OR gate | 2.0 - 6.0 | CMOS | ±5.2 | 9.0 | 50 | 36 | 2 | -40 to 125 |
| 74HCT2G32 | Dual 2-input OR gate; TTL-enabled | 4.5 - 5.5 | TTL | ±4.0 | 13 | 50 | 36 | 2 | -40 to 125 |
| 74HC32 | Quad 2-input OR gate | 2.0 - 6.0 | CMOS | ±5.2 | 6.0 | 50 | 36 | 4 | -40 to 125 |
| 74HCT32 | Quad 2-input OR gate | 4.5 - 5.5 | TTL | ±4.0 | 9.0 | 50 | 36 | 4 | -40 to 125 |
| 74HC4075 | Triple 3-input OR gate | 2.0 - 6.0 | CMOS | ±5.2 | 8.0 | 50 | 36 | 3 | -40 to 125 |
| 74HCT4075 | Triple 3-input OR gate; TTL-enabled | 4.5 - 5.5 | TTL | ±4 | 10 | 50 | 36 | 3 | -40 to 125 |
| 74LV1T32 | Single supply 2-input translating OR gate | 1.6 - 5.5 | CMOS | ±8 | 6.6 | 15 | 60 | 1 | -40 to 125 |
| 74LV32A | Quad 2-input OR gate | 2.0 - 5.5 | CMOS | ±12 | 4.2 | 15 | 45 | 4 | -40 to 125 |
| 74LV7032A | Quad 2-input OR gate; Schmitt trigger | 2.0 - 5.5 | CMOS | ±12 | 4.3 | 15 | 45 | 4 | -40 to 125 |
| 74LVC1G32 | Single 2-input OR gate | 1.65 - 5.5 | CMOS/LVTTL | ±32 | 2.1 | 50 | 150 | 1 | -40 to 125 |
| 74LVC1G332 | Single 3-input OR gate | 1.65 - 5.5 | CMOS/LVTTL | ±32 | 2.6 | 50 | 150 | 1 | -40 to 125 |
| 74LVC2G32 | Dual 2-input OR gate | 1.65 - 5.5 | CMOS/LVTTL | ±32 | 2.2 | 50 | 150 | 2 | -40 to 125 |
| 74LVC32A | Quad 2-input OR gate | 1.2 - 3.6 | CMOS/LVTTL | ±24 | 2.1 | 50 | 150 | 4 | -40 to 125 |
| 74VHC32 | Quad 2-input OR gate | 2.0 - 5.5 | CMOS | ±8 | 3.5 | 50 | 60 | 4 | -40 to 125 |
| 74VHCT32 | Quad 2-input OR gate; TTL-enabled | 4.5 - 5.5 | TTL | ±8 | 5.0 | 50 | 60 | 4 | -40 to 125 |
| HEF4071B | Quad 2-input OR gate | 3.0 - 15 | CMOS | ±2.4 | 20 | 50 | 10 | 4 | -40 to 125 |
| XC7SET32 | Single 2-input OR gate; TTL-enabled | 4.5 - 5.5 | TTL | ±8 | 3.3 | 50 | 60 | 1 | -40 to 125 |
| XC7SH32 | Single 2-input OR gate | 2.0 - 5.5 | CMOS | ±8 | 3.2 | 50 | 60 | 1 | -40 to 125 |

NOR gates

| Type number | Description | V _{CC} (V) | Logic switching levels | Output drive capability (mA) | t _{pd} (ns) | Output Load C _L (typ) (pF) | f _{max} (MHz) | Number of bits | T _{amb} (°C) |
|-------------|--|---------------------|------------------------|------------------------------|----------------------|---------------------------------------|------------------------|----------------|-----------------------|
| 74AHC02 | Quad 2-input NOR gate | 2.0 - 5.5 | CMOS | ±8 | 2.9 | 50 | 60 | 4 | -40 to 125 |
| 74AHCT02 | Quad 2-input NOR gate; TTL-enabled | 4.5 - 5.5 | TTL | ±8 | 3.8 | 50 | 60 | 4 | -40 to 125 |
| 74AHC1G02 | Single 2-input NOR gate | 2.0 - 5.5 | CMOS | ±8 | 3.2 | 50 | 60 | 1 | -40 to 125 |
| 74AHCT1G02 | Single 2-input NOR gate; TTL-enabled | 4.5 - 5.5 | TTL | ±8 | 3.5 | 50 | 60 | 1 | -40 to 125 |
| 74ALVC02 | Quad 2-input NOR gate | 1.65 - 3.6 | CMOS/ LVTTTL | ±24 | 2.2 | 50 | 150 | 4 | -40 to 85 |
| 74AUP1G02 | Single 2-input NOR gate | 1.1 - 3.6 | CMOS | ±1.9 | 8.3 | 30 | 70 | 1 | -40 to 125 |
| 74AUP1T02 | Single supply 2-input voltage-translating NOR gate | 2.3 - 3.6 | CMOS | ±4 | 3.8 | 15 | 70 | 1 | -40 to 125 |
| 74AUP2G02 | Dual 2-input NOR gate | 1.1 - 3.6 | CMOS | ±1.9 | 8.3 | 30 | 70 | 2 | -40 to 125 |
| 74HC02 | Quad 2-input NOR gate | 2.0 - 6.0 | CMOS | ±5.2 | 7.0 | 50 | 36 | 4 | -40 to 125 |
| 74HCT02 | Quad 2-input NOR gate; TTL-enabled | 4.5 - 5.5 | TTL | ±4 | 9.0 | 50 | 36 | 4 | -40 to 125 |
| 74HC1G02 | Single 2-input NOR gate | 2.0 - 6.0 | CMOS | ±2.6 | 7.0 | 50 | 36 | 1 | -40 to 125 |
| 74HCT1G02 | Single 2-input NOR gate; TTL-enabled | 4.5 - 5.5 | TTL | ±2.0 | 9.0 | 50 | 36 | 1 | -40 to 125 |
| 74HC27 | Triple 3-input NOR gate | 2.0 - 6.0 | CMOS | ±5.2 | 8.0 | 50 | 36 | 3 | -40 to 125 |
| 74HCT27 | Triple 3-input NOR gate; TTL-enabled | 4.5 - 5.5 | TTL | ±4 | 10 | 50 | 36 | 3 | -40 to 125 |
| 74HC2G02 | Dual 2-input NOR gate | 2.0 - 6.0 | CMOS | ±5.2 | 9.0 | 50 | 36 | 2 | -40 to 125 |
| 74HCT2G02 | Dual 2-input NOR gate; TTL-enabled | 4.5 - 5.5 | TTL | ±4 | 12 | 50 | 36 | 2 | -40 to 125 |
| 74HC4002 | Dual 4-input NOR gate | 2.0 - 6.0 | CMOS | ±5.2 | 9.0 | 50 | 36 | 2 | -40 to 125 |
| 74LV02A | Quad 2-input NOR gate | 2.0 - 5.5 | CMOS | ±12 | 4.3 | 15 | 45 | 4 | -40 to 125 |
| 74LV1T02 | Single supply 2-input translating NOR gate | 1.6 - 5.5 | CMOS | ±8 | 6.6 | 15 | 60 | 1 | -40 to 125 |
| 74LVC02A | Quad 2-input NOR gate | 1.2 - 3.6 | CMOS/ LVTTTL | ±24 | 2.1 | 50 | 150 | 4 | -40 to 125 |
| 74LVC1G02 | Single 2-input NOR gate | 1.65 - 5.5 | CMOS/ LVTTTL | ±32 | 2.1 | 50 | 150 | 1 | -40 to 125 |
| 74LVC1G27 | Single 3-input NOR gate | 1.65 - 5.5 | CMOS/ LVTTTL | ±32 | 2.6 | 50 | 150 | 1 | -40 to 125 |
| 74LVC2G02 | Dual 2-input NOR gate | 1.65 - 5.5 | CMOS/ LVTTTL | ±32 | 2.4 | 50 | 150 | 2 | -40 to 125 |
| 74LVT02 | Quad 2-input NOR gate | 2.7 - 3.6 | TTL | -20 / 32 | 2.8 | 50 | 150 | 4 | -40 to 85 |
| 74VHC02 | Quad 2-input NOR gate | 2.0 - 5.5 | CMOS | ±8 | 2.9 | 50 | 60 | 4 | -40 to 125 |
| 74VHCT02 | Quad 2-input NOR gate; TTL-enabled | 4.5 - 5.5 | TTL | ±8 | 3.8 | 50 | 60 | 4 | -40 to 125 |
| HEF4001B | Quad 2-input NOR gate | 3.0 - 15 | CMOS | ±2.4 | 20 | 50 | 10 | 4 | -40 to 85 |
| XC7SET02 | Single 2-input NOR gate; TTL-enabled | 4.5 - 5.5 | TTL | ±8 | 3.5 | 50 | 60 | 1 | -40 to 125 |
| XC7SH02 | Single 2-input NOR gate | 2.0 - 5.5 | CMOS | ±8 | 3.2 | 50 | 60 | 1 | -40 to 125 |

EXCLUSIVE-OR gates

| Type number | Description | V _{cc} (V) | Logic switching levels | Output drive capability (mA) | t _{pd} (ns) | Output Load C _L (typ) (pF) | f _{max} (MHz) | Number of bits | T _{amb} (°C) |
|-------------|---|---------------------|------------------------|------------------------------|----------------------|---------------------------------------|------------------------|----------------|-----------------------|
| 74AHC1G86 | 2-input EXCLUSIVE-OR gate | 2.0 - 5.5 | CMOS | ±8 | 3.4 | 50 | 60 | 1 | -40 to 125 |
| 74AHCT1G86 | 2-input EXCLUSIVE-OR gate; TTL-enabled | 4.5 - 5.5 | TTL | ±8 | 3.5 | 50 | 60 | 1 | -40 to 125 |
| 74AHC86 | Quad 2-input EXCLUSIVE-OR gate | 2.0 - 5.5 | CMOS | ±8 | 3.4 | 50 | 60 | 4 | -40 to 125 |
| 74AHCT86 | Quad 2-input EXCLUSIVE-OR gate; TTL-enabled | 4.5 - 5.5 | TTL | ±8 | 3.4 | 50 | 60 | 4 | -40 to 125 |
| 74AUP1G386 | Single 3-input EXCLUSIVE-OR gate | 1.1 - 3.6 | CMOS | ±1.9 | 8.6 | 30 | 70 | 1 | -40 to 125 |
| 74AUP1G86 | Single 2-input Exclusive-OR gate | 1.1 - 3.6 | CMOS | ±1.9 | 9.0 | 30 | 70 | 1 | -40 to 125 |
| 74AUP1T86 | Single supply 2-input translating EXCLUSIVE-OR gate | 2.3 - 3.6 | CMOS | ±1.9 | 3.9 | 15 | 70 | 1 | -40 to 125 |
| 74AUP2G86 | Dual 2-input EXCLUSIVE-OR gate | 1.1 - 3.6 | CMOS | ±1.9 | 9.0 | 30 | 70 | 2 | -40 to 125 |
| 74HC1G86 | Single 2-input EXCLUSIVE-OR gate | 2.0 - 6.0 | CMOS | ±2.6 | 9.0 | 50 | 36 | 1 | -40 to 125 |
| 74HCT1G86 | Single 2-input EXCLUSIVE-OR gate; TTL-enabled | 4.5 - 5.5 | TTL | ±2.0 | 10 | 50 | 36 | 1 | -40 to 125 |
| 74HC2G86 | Dual 2-input EXCLUSIVE-OR gate | 2.0 - 6.0 | CMOS | ±5.2 | 9.0 | 50 | 36 | 2 | -40 to 125 |
| 74HCT2G86 | Dual 2-input EXCLUSIVE-OR gate; TTL-enabled | 4.5 - 5.5 | TTL | ±4.0 | 11 | 50 | 36 | 2 | -40 to 125 |
| 74HC86 | Quad 2-input EXCLUSIVE-OR gate | 2.0 - 6.0 | CMOS | ±5.2 | 11 | 50 | 36 | 4 | -40 to 125 |
| 74HCT86 | Quad 2-input EXCLUSIVE-OR gate; TTL-enabled | 4.5 - 5.5 | TTL | ±4 | 14 | 50 | 36 | 4 | -40 to 125 |
| 74LV1T86 | Single supply 2-input translating EXCLUSIVE-OR gate | 1.6 - 5.5 | CMOS | ±8 | 7.3 | 15 | 60 | 1 | -40 to 125 |
| 74LVC1G386 | Single 3-Input EXCLUSIVE-OR gate | 1.65 - 5.5 | CMOS/ LVTTTL | ±32 | 4.5 | 50 | 150 | 1 | -40 to 125 |
| 74LVC1G86 | Single 2-input EXCLUSIVE-OR gate | 1.65 - 5.5 | CMOS/ LVTTTL | ±32 | 2.4 | 50 | 150 | 1 | -40 to 125 |
| 74LVC2G86 | Dual 2-input EXCLUSIVE-OR gate | 1.65 - 5.5 | CMOS/ LVTTTL | ±32 | 2.3 | 50 | 150 | 2 | -40 to 125 |
| 74LVC86A | Quad 2-input EXCLUSIVE-OR gate | 1.2 - 3.6 | CMOS/ LVTTTL | ±24 | 3.0 | 50 | 150 | 4 | -40 to 125 |
| HEF4030B | Quad 2-input EXCLUSIVE-OR gate | 3.0 - 15 | CMOS | ±2.4 | 30 | 50 | 10 | 4 | -40 to 85 |
| HEF4070B | Quad 2-input EXCLUSIVE-OR gate | 3.0 - 15 | CMOS | ±2.4 | 30 | 50 | 10 | 4 | -40 to 85 |
| XC7SET86 | 2-input EXCLUSIVE-OR gate; TTL-enabled | 4.5 - 5.5 | TTL | ±8 | 3.5 | 50 | 60 | 1 | -40 to 125 |
| XC7SH86 | 2-input EXCLUSIVE-OR gate | 2.0 - 5.5 | CMOS | ±8 | 3.4 | 50 | 60 | 1 | -40 to 125 |

EXCLUSIVE-NOR gates

| Type number | Description | V _{cc} (V) | Logic switching levels | Output drive capability (mA) | t _{pd} (ns) | Output Load C _L (typ) (pF) | f _{max} (MHz) | T _{amb} (°C) |
|-------------|--|---------------------|------------------------|------------------------------|----------------------|---------------------------------------|------------------------|-----------------------|
| 74AUP1T87 | Single supply 2-input translating EXCLUSIVE-NOR gate | 2.3 - 3.6 | CMOS | ±4 | 4 | | 70 | -40 to 125 |
| 74LV1T87 | Single supply 2-input translating EXCLUSIVE-NOR gate | 1.6 - 5.5 | CMOS | ±8 | 7.3 | | 60 | -40 to 125 |
| HEF4077B | Quad 2-input EXCLUSIVE-NOR gate | 3.0 - 15 | CMOS | ±2.4 | 30 | 50 | 10 | -40 to 85 |

Combination gates

| Type number | Description | V _{CC} (V) | Logic switching levels | Output drive capability (mA) | t _{pd} (ns) | Output Load C _L (typ) (pF) | f _{max} (MHz) | Number of bits | T _{amb} (°C) |
|-------------|--|---------------------|------------------------|------------------------------|----------------------|---------------------------------------|------------------------|----------------|-----------------------|
| 74AUP1G0832 | Single 3-input AND-OR gate | 1.1 - 3.6 | CMOS | ±1.9 | 6.7 | 30 | 70 | 1 | -40 to 125 |
| 74AUP1G3208 | Single 3-input OR-AND gate | 1.1 - 3.6 | CMOS | ±1.9 | 7.4 | 30 | 70 | 1 | -40 to 125 |
| 74AUP1G885 | Dual function gate | 1.1 - 3.6 | CMOS | ±1.9 | 7.6 | 30 | 70 | 1 | -40 to 125 |
| 74AUP1Z04 | Crystal driver with enable and internal resistor | 1.1 - 3.6 | CMOS | ±1.9 | 5.6 | 30 | 70 | 1 | -40 to 125 |
| 74AUP1Z125 | Crystal driver with enable and internal resistor (3-state) | 1.1 - 3.6 | CMOS | ±1.9 | 4.7 | 30 | 70 | 1 | -40 to 125 |
| 74AUP2G0604 | Inverter with open drain and inverter | 1.1 - 3.6 | CMOS | ±1.9 | 4.0 | 30 | 70 | 2 | -40 to 125 |
| 74AUP2G3404 | Buffer and inverter | 1.1 - 3.6 | CMOS | ±1.9 | 4.0 | 30 | 70 | 2 | -40 to 125 |
| 74AUP2G3407 | Buffer and buffer with open drain | 1.1 - 3.6 | CMOS | ±1.9 | 4.1 | 30 | 70 | 2 | -40 to 125 |
| 74AUP3G0434 | Dual inverter and single buffer | 1.1 - 3.6 | CMOS | ±1.9 | 4.0 | 30 | 70 | 3 | -40 to 125 |
| 74AUP3G3404 | Dual buffer and single inverter | 1.1 - 3.6 | CMOS | ±1.9 | 4.0 | 30 | 70 | 3 | -40 to 125 |
| 74LVC1GX04 | Crystal driver | 1.65 - 5.5 | CMOS/ LVTTTL | ±24 | 2.8 | 50 | 150 | 1 | -40 to 125 |
| HEF4007UB | Dual complementary pair and inverter | 3.0 - 15 | CMOS | ±3.4 | 15 | 50 | 10 | 2 | -40 to 85 |

Configurable gates

| Type number | Description | V _{CC} (V) | Logic switching levels | Output drive capability (mA) | t _{pd} (ns) | Output Load C _L (typ) (pF) | f _{max} (MHz) | Number of bits | T _{amb} (°C) |
|-------------|--|---------------------|------------------------|------------------------------|----------------------|---------------------------------------|------------------------|----------------|-----------------------|
| 74AUP1G57 | Configurable gate; Schmitt-trigger | 1.1 - 3.6 | CMOS | ±1.9 | 8.7 | 30 | 70 | 1 | -40 to 125 |
| 74AUP1G58 | Configurable gate; Schmitt-trigger | 1.1 - 3.6 | CMOS | ±1.9 | 8.7 | 30 | 70 | 1 | -40 to 125 |
| 74AUP1G97 | Configurable gate; Schmitt-trigger | 1.1 - 3.6 | CMOS | ±1.9 | 8.7 | 30 | 70 | 1 | -40 to 125 |
| 74AUP1G98 | Configurable gate; Schmitt-trigger | 1.1 - 3.6 | CMOS | ±1.9 | 8.9 | 30 | 70 | 1 | -40 to 125 |
| 74AUP1G3208 | Configurable multiple function gate | 0.8 - 3.6 | CMOS | ±4 | 6.6 | 30 | 70 | 1 | -40 to 125 |
| 74AUP1T57 | Configurable gate with voltage-level translation | 2.3 - 3.6 | CMOS | ±4 | 3.9 | 15 | 70 | 1 | -40 to 125 |
| 74AUP1T58 | Configurable gate with voltage-level translation | 2.3 - 3.6 | CMOS | ±4 | 3.9 | 15 | 70 | 1 | -40 to 125 |
| 74AUP1T97 | Configurable gate with voltage-level translation | 2.3 - 3.6 | CMOS | ±4 | 3.9 | 15 | 70 | 1 | -40 to 125 |
| 74AUP1T98 | Configurable gate with voltage-level translation | 2.3 - 3.6 | CMOS | ±4 | 3.9 | 15 | 70 | 1 | -40 to 125 |
| 74AUP2G57 | Dual configurable gate; Schmitt-trigger | 0.8 - 3.6 | CMOS | ±4 | 6.6 | 30 | 70 | 1 | -40 to 125 |
| 74AUP2G58 | Dual configurable gate; Schmitt-trigger | 0.8 - 3.6 | CMOS | ±4 | 6.6 | 30 | 70 | 1 | -40 to 125 |
| 74AUP2G97 | Dual configurable gate; Schmitt-trigger | 0.8 - 3.6 | CMOS | ±4 | 6.6 | 30 | 70 | 1 | -40 to 125 |
| 74AUP2G98 | Dual configurable gate; Schmitt-trigger | 0.8 - 3.6 | CMOS | ±4 | 6.6 | 30 | 70 | 1 | -40 to 125 |
| 74LVC1G57 | Configurable gate; Schmitt-trigger | 1.65 - 5.5 | CMOS/ LVTTTL | ±32 | 6.3 | 50 | 150 | 1 | -40 to 125 |
| 74LVC1G58 | Configurable gate; Schmitt-trigger | 1.65 - 5.5 | CMOS/ LVTTTL | ±32 | 6.3 | 50 | 150 | 1 | -40 to 125 |
| 74LVC1G97 | Configurable gate; Schmitt-trigger | 1.65 - 5.5 | CMOS/ LVTTTL | ±32 | 6.3 | 50 | 150 | 1 | -40 to 125 |
| 74LVC1G98 | Configurable gate; Schmitt-trigger | 1.65 - 5.5 | CMOS/ LVTTTL | ±32 | 6.3 | 50 | 150 | 1 | -40 to 125 |
| 74LVC1G99 | Configurable gate; Schmitt-trigger | 1.65 - 5.5 | CMOS/ LVTTTL | ±32 | 8.4 | 50 | 150 | 1 | -40 to 125 |

Schmitt-triggers

| Type number | Description | V _{CC} (V) | Logic switching levels | Output drive capability (mA) | t _{pd} (ns) | Output Load C _L (pF) | f _{max} (MHz) | Number of bits | T _{amb} (°C) |
|-------------|---|---------------------|------------------------|------------------------------|----------------------|---------------------------------|------------------------|----------------|-----------------------|
| 74AHC132 | Quad 2-input NAND gate Schmitt-trigger | 2.0 - 5.5 | CMOS | ±8 | 3.3 | 50 | 60 | 4 | -40 to 125 |
| 74AHC14 | Hex inverter Schmitt-trigger | 2.0 - 5.5 | CMOS | ±8 | 3.2 | 50 | 60 | 6 | -40 to 125 |
| 74AHC1G14 | Single inverter Schmitt-trigger | 2.0 - 5.5 | CMOS | ±8 | 3.2 | 50 | 60 | 1 | -40 to 125 |
| 74AHC1G17 | Single buffer Schmitt-trigger | 2.0 - 5.5 | CMOS | ±8 | 3.2 | 50 | 60 | 1 | -40 to 125 |
| 74AHC3G14 | Triple inverter Schmitt-trigger | 2.0 - 5.5 | CMOS | ±8 | 3.2 | 50 | 60 | 3 | -40 to 125 |
| 74AHCT132 | Quad 2-input NAND gate Schmitt-trigger; TTL-enabled | 4.5 - 5.5 | TTL | ±8 | 3.5 | 50 | 60 | 4 | -40 to 125 |
| 74AHCT14 | Hex inverter Schmitt-trigger; TTL-enabled | 4.5 - 5.5 | TTL | ±8 | 4.0 | 50 | 60 | 6 | -40 to 125 |
| 74AHCT17A | Hex buffer Schmitt-trigger | 4.5 - 5.5 | TTL | ±8 | 3.2 | 50 | 60 | 8 | -40 to 125 |
| 74AHCT1G14 | Single inverter Schmitt-trigger; TTL-enabled | 4.5 - 5.5 | TTL | ±8 | 4.1 | 50 | 60 | 1 | -40 to 125 |
| 74AHCT1G17 | Single buffer Schmitt-trigger; TTL-enabled | 4.5 - 5.5 | TTL | ±8 | 4.1 | 50 | 60 | 1 | -40 to 125 |
| 74AHCT3G14 | Triple inverter Schmitt-trigger; TTL-enabled | 4.5 - 5.5 | TTL | ±8 | 4.1 | 50 | 60 | 3 | -40 to 125 |
| 74AHCV05A | Hex inverter; Schmitt trigger; open-drain | 2.0 - 5.5 | CMOS | ±16 | 5.8 | 15 | 10 | 6 | -40 to 125 |
| 74AHCV07A | Hex buffer Schmitt-trigger; open-drain | 1.8 - 5.5 | CMOS | 16 | 3.8 | 15 | 60 | 6 | -40 to 125 |
| 74AHCV14A | Hex inverter Schmitt-trigger | 1.8 - 5.5 | CMOS | ±16 | 3.2 | 15 | 60 | 6 | -40 to 125 |
| 74AHCV17A | Hex buffer Schmitt-trigger | 1.8 - 5.5 | CMOS | ±16 | 3.2 | 15 | 60 | 6 | -40 to 125 |
| 74AHCV244A | Octal buffer/line driver Schmitt-trigger (3-state) | 1.8 - 5.5 | CMOS | ±16 | 3.0 | 15 | 60 | 8 | -40 to 125 |
| 74AHCV245A | Octal transceiver Schmitt-trigger (3-state) | 1.8 - 5.5 | CMOS | ±16 | 3.2 | 15 | 60 | 8 | -40 to 125 |
| 74AHCV541A | Octal buffer/line driver Schmitt-trigger (3-state) | 1.8 - 5.5 | CMOS | ±16 | 3.0 | 15 | 60 | 8 | -40 to 125 |
| 74ALVC14 | Hex inverter Schmitt-trigger | 1.65 - 3.6 | TTL | ±24 | 2.4 | 50 | 150 | 6 | -40 to 85 |
| 74AUP1G132 | Single 2-input NAND gate Schmitt-trigger | 1.1 - 3.6 | CMOS | ±1.9 | 10.0 | 30 | 70 | 1 | -40 to 125 |
| 74AUP1G14 | Single inverter Schmitt-trigger | 1.1 - 3.6 | CMOS | ±1.9 | 4.7 | 30 | 70 | 1 | -40 to 125 |
| 74AUP1G17 | Single buffer Schmitt-trigger | 1.1 - 3.6 | CMOS | ±1.9 | 7.8 | 30 | 70 | 1 | -40 to 125 |
| 74AUP1G57 | Configurable gate; Schmitt-trigger | 1.1 - 3.6 | CMOS | ±1.9 | 8.7 | 30 | 70 | 1 | -40 to 125 |
| 74AUP1G58 | Configurable gate; Schmitt-trigger | 1.1 - 3.6 | CMOS | ±1.9 | 8.7 | 30 | 70 | 1 | -40 to 125 |
| 74AUP1G97 | Configurable gate; Schmitt-trigger | 1.1 - 3.6 | CMOS | ±1.9 | 8.7 | 30 | 70 | 1 | -40 to 125 |
| 74AUP1G98 | Configurable gate; Schmitt-trigger | 1.1 - 3.6 | CMOS | ±1.9 | 8.9 | 30 | 70 | 1 | -40 to 125 |
| 74AUP2G132 | Dual 2-input NAND gate Schmitt-trigger | 1.1 - 3.6 | CMOS | ±1.9 | 10 | 30 | 70 | 2 | -40 to 125 |
| 74AUP2G14 | Dual inverter Schmitt-trigger | 1.1 - 3.6 | CMOS | ±1.9 | 4.7 | 30 | 70 | 2 | -40 to 125 |
| 74AUP2G17 | Dual buffer Schmitt-trigger | 1.1 - 3.6 | CMOS | ±1.9 | 7.8 | 30 | 70 | 2 | -40 to 125 |
| 74AUP2G58 | Dual configurable gate; Schmitt-trigger | 1.1 - 3.6 | CMOS | ±1.9 | 8.7 | 30 | 70 | 2 | -40 to 125 |
| 74AUP2G97 | Dual configurable gate; Schmitt-trigger | 1.1 - 3.6 | CMOS | ±1.9 | 8.7 | 30 | 70 | 2 | -40 to 125 |
| 74AUP2G98 | Dual configurable gate; Schmitt-trigger | 1.1 - 3.6 | CMOS | ±1.9 | 8.9 | 30 | 70 | 2 | -40 to 125 |
| 74AUP3G14 | Triple inverter Schmitt-trigger | 1.1 - 3.6 | CMOS | ±1.9 | 2.4 | 30 | 70 | 3 | -40 to 125 |

Schmitt-triggers

| Type number | Description | V _{CC} (V) | Logic switching levels | Output drive capability (mA) | t _{pd} (ns) | Output Load C _L (pF) | f _{max} (MHz) | Number of bits | T _{amb} (°C) |
|-------------|---|---------------------|------------------------|------------------------------|----------------------|---------------------------------|------------------------|----------------|-----------------------|
| 74AUP3G17 | Triple Schmitt-trigger | 1.1 - 3.6 | CMOS | ±1.9 | 2.4 | 30 | 70 | 3 | -40 to 125 |
| 74HC132 | Quad 2-input NAND gate Schmitt-trigger | 2.0 - 6.0 | CMOS | ±5.2 | 11 | 50 | 36 | 4 | -40 to 125 |
| 74HC14 | Hex inverter Schmitt-trigger | 2.0 - 6.0 | CMOS | ±5.2 | 12 | 50 | 36 | 6 | -40 to 125 |
| 74HC1G14 | Single inverter Schmitt-trigger | 2.0 - 6.0 | CMOS | ±2.6 | 10 | 50 | 36 | 1 | -40 to 125 |
| 74HC2G14 | Dual inverter Schmitt-trigger | 2.0 - 6.0 | CMOS | ±5.2 | 16 | 50 | 36 | 2 | -40 to 125 |
| 74HC2G17 | Dual buffer Schmitt-trigger | 2.0 - 6.0 | CMOS | ±5.2 | 12 | 50 | 36 | 2 | -40 to 125 |
| 74HC3G14 | Triple inverter Schmitt-trigger | 2.0 - 6.0 | CMOS | ±5.2 | 16 | 50 | 36 | 3 | -40 to 125 |
| 74HC7014 | Hex buffer precision Schmitt-trigger | 2.0 - 6.0 | CMOS | ±5.2 | 27 | 50 | 36 | 6 | -40 to 125 |
| 74HC7540 | Octal inverter/line driver Schmitt-trigger (3-state) | 2.0 - 6.0 | CMOS | ±7.8 | 11 | 50 | 36 | 8 | -40 to 125 |
| 74HC7541 | Octal buffer/line driver Schmitt-trigger (3-state) | 2.0 - 6.0 | CMOS | ±7.8 | 11 | 50 | 36 | 8 | -40 to 125 |
| 74HC9114 | 9-bit inverter Schmitt-trigger; open drain (3-state) | 2.0 - 6.0 | CMOS | 5.2 | 12 | 50 | 36 | 9 | -40 to 125 |
| 74HC9115 | 9-bit buffer Schmitt-trigger; open drain (3-state) | 2.0 - 6.0 | CMOS | 5.2 | 12 | 50 | 36 | 9 | -40 to 125 |
| 74HCT132 | Quad 2-input NAND gate Schmitt-trigger; TTL-enabled | 4.5 - 5.5 | TTL | ±4 | 17 | 50 | 36 | 4 | -40 to 125 |
| 74HCT14 | Hex inverter Schmitt-trigger; TTL-enabled | 4.5 - 5.5 | TTL | ±4 | 17 | 50 | 36 | 6 | -40 to 125 |
| 74HCT1G14 | Single inverter Schmitt-trigger; TTL-enabled | 4.5 - 5.5 | TTL | ±2.0 | 15 | 50 | 36 | 1 | -40 to 125 |
| 74HCT2G14 | Dual inverter Schmitt-trigger; TTL-enabled | 4.5 - 5.5 | TTL | ±4.0 | 21 | 50 | 36 | 2 | -40 to 125 |
| 74HCT2G17 | Dual buffer Schmitt-trigger; TTL-enabled | 4.5 - 5.5 | TTL | ±4.0 | 21 | 50 | 36 | 2 | -40 to 125 |
| 74HCT3G14 | Triple inverter Schmitt-trigger; TTL-enabled | 4.5 - 5.5 | TTL | ±4.0 | 21 | 50 | 36 | 3 | -40 to 125 |
| 74HCT7540 | Octal inverter/line driver Schmitt-trigger; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | ±6 | 16 | 50 | 36 | 8 | -40 to 125 |
| 74HCT7541 | Octal buffer/line driver Schmitt-trigger; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | ±6 | 16 | 50 | 36 | 8 | -40 to 125 |
| 74HCT9114 | 9-bit inverter Schmitt-trigger; open drain; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | 4 | 13 | 50 | 36 | 9 | -40 to 125 |
| 74LV132 | Quad 2-input NAND gate Schmitt-trigger | 1.0 - 5.5 | TTL | ±12 | 10 | 50 | 30 | 4 | -40 to 125 |
| 74LV14 | Hex inverter Schmitt-trigger | 1.0 - 5.5 | TTL | ±12 | 13 | 50 | 30 | 6 | -40 to 125 |
| 74LV14A | Hex inverter Schmitt-trigger | 2.0 - 5.5 | CMOS | ±12 | 3.4 | 15 | 60 | 6 | -40 to 125 |
| 74LV7032A | Quad 2-input OR gate; Schmitt trigger | 2.0 - 5.5 | CMOS | ±12 | 4.3 | 15 | 45 | 4 | -40 to 125 |
| 74LVC132A | Quad 2-input NAND gate Schmitt-trigger | 1.2 - 3.6 | CMOS/LVTTL | ±24 | 3.4 | 50 | 175 | 4 | -40 to 125 |
| 74LVC14A | Hex inverter Schmitt-trigger | 1.2 - 3.6 | CMOS/LVTTL | ±24 | 3.2 | 50 | 175 | 6 | -40 to 125 |
| 74LVC1G14 | Single inverter Schmitt-trigger | 1.65 - 5.5 | CMOS/LVTTL | ±32 | 3.0 | 50 | 175 | 1 | -40 to 125 |
| 74LVC1G17 | Single buffer Schmitt-trigger | 1.65 - 5.5 | CMOS/LVTTL | ±32 | 3.0 | 50 | 175 | 1 | -40 to 125 |
| 74LVC1G57 | Configurable gate; Schmitt-trigger | 1.65 - 5.5 | CMOS/LVTTL | ±32 | 6.3 | 50 | 150 | 1 | -40 to 125 |
| 74LVC1G58 | Configurable gate; Schmitt-trigger | 1.65 - 5.5 | CMOS/LVTTL | ±32 | 6.3 | 50 | 150 | 1 | -40 to 125 |
| 74LVC1G97 | Configurable gate; Schmitt-trigger | 1.65 - 5.5 | CMOS/LVTTL | ±32 | 6.3 | 50 | 150 | 1 | -40 to 125 |

Schmitt-triggers

| Type number | Description | V _{CC} (V) | Logic switching levels | Output drive capability (mA) | t _{pd} (ns) | Output Load C _L (pF) | f _{max} (MHz) | Number of bits | T _{amb} (°C) |
|-------------|--|---------------------|------------------------|------------------------------|----------------------|---------------------------------|------------------------|----------------|-----------------------|
| 74LVC1G98 | Configurable gate; Schmitt-trigger | 1.65 - 5.5 | CMOS/LVTTL | ±32 | 6.3 | 50 | 150 | 1 | -40 to 125 |
| 74LVC1G99 | Configurable gate; Schmitt-trigger | 1.65 - 5.5 | CMOS/LVTTL | ±32 | 8.4 | 50 | 150 | 1 | -40 to 125 |
| 74LVC2G14 | Dual inverter Schmitt-trigger | 1.65 - 5.5 | CMOS/LVTTL | ±32 | 3.9 | 50 | 175 | 2 | -40 to 125 |
| 74LVC2G17 | Dual buffer Schmitt-trigger | 1.65 - 5.5 | CMOS/LVTTL | ±32 | 3.6 | 50 | 175 | 2 | -40 to 125 |
| 74LVC3G14 | Triple inverter Schmitt-trigger | 1.65 - 5.5 | CMOS/LVTTL | ±32 | 3.2 | 50 | 175 | 3 | -40 to 125 |
| 74LVC3G17 | Triple buffer Schmitt-trigger | 1.65 - 5.5 | CMOS/LVTTL | ±32 | 3.6 | 50 | 175 | 3 | -40 to 125 |
| 74LVT14 | Hex inverter Schmitt-trigger | 2.7 - 3.6 | TTL | ±32 | 3.8 | 50 | 150 | 6 | -40 to 125 |
| 74VHC14 | Hex inverter Schmitt-trigger | 2.0 - 5.5 | CMOS | ±8 | 3.2 | 50 | 60 | 6 | -40 to 125 |
| 74VHCT14 | Hex inverter Schmitt-trigger; TTL-enabled | 4.5 - 5.5 | TTL | ±8 | 4.1 | 50 | 60 | 6 | -40 to 125 |
| HEF40106B | Hex inverter Schmitt-trigger | 3.0 - 15 | CMOS | ±2.4 | 30 | 50 | 10 | 6 | -40 to 85 |
| HEF4093B | Quad 2-input NAND gate Schmitt-trigger | 3.0 - 15 | CMOS | ±2.4 | 30 | 50 | 10 | 4 | -40 to 125 |
| XC7SET14 | Single inverter Schmitt-trigger; TTL-enabled | 4.5 - 5.5 | TTL | ±8 | 4.1 | 50 | 60 | 1 | -40 to 125 |
| XC7SH14 | Single inverter Schmitt-trigger | 2.0 - 5.5 | CMOS | ±8 | 3.2 | 50 | 60 | 1 | -40 to 125 |
| XC7WH14 | Triple inverter Schmitt-trigger | 2.0 - 5.5 | CMOS | ±8 | 3.2 | 50 | 60 | 3 | -40 to 125 |
| XC7WT14 | Triple inverter Schmitt-trigger; TTL-enabled | 4.5 - 5.5 | TTL | ±8 | 4.1 | 50 | 60 | 3 | -40 to 125 |

Flip-flops

| Type number | Description | V _{CC} (V) | Logic switching levels | Output drive capability (mA) | t _{pd} (ns) | Output Load C _L (pF) | f _{max} (MHz) | T _{amb} (°C) |
|--------------|--|---------------------|------------------------|------------------------------|----------------------|---------------------------------|------------------------|-----------------------|
| 74ABT74 | Dual D-type flip-flop with set and reset; positive-edge trigger | 4.5 - 5.5 | TTL | -0.75 | 3.0 | 50 | 250 | -40 to 85 |
| 74AHC1G79 | Single D-type flip-flop; positive-edge trigger | 2.0 - 5.5 | CMOS | ±8 | 3.5 | 50 | 90 | -40 to 125 |
| 74AHC273 | Octal D-type flip-flop with reset; positive-edge trigger | 2.0 - 5.5 | CMOS | ±8 | 4.2 | 50 | 165 | -40 to 125 |
| 74AHC374 | Octal D-type flip-flop; positive-edge trigger (3-state) | 2.0 - 5.5 | CMOS | ±8 | 4.4 | 50 | 185 | -40 to 125 |
| 74AHC574 | Octal D-type flip-flop; positive-edge trigger (3-state) | 2.0 - 5.5 | CMOS | ±8 | 4.4 | 50 | 130 | -40 to 125 |
| 74AHC74 | Dual D-type flip-flop with set and reset; positive-edge trigger | 2.0 - 5.5 | CMOS | ±8 | 3.7 | 50 | 170 | -40 to 125 |
| 74AHCT1G79 | Single D-type flip-flop; positive-edge trigger; TTL-enabled | 4.5 - 5.5 | TTL | ±8 | 3.5 | 50 | 90 | -40 to 125 |
| 74AHCT273 | Octal D-type flip-flop with reset; positive-edge trigger; TTL-enabled | 4.5 - 5.5 | TTL | ±8 | 4.0 | 50 | 120 | -40 to 125 |
| 74AHCT374 | Octal D-type flip-flop; positive-edge trigger (3-state) | 4.5 - 5.5 | TTL | ±8 | 4.3 | 50 | 140 | -40 to 125 |
| 74AHCT574 | Octal D-type flip-flop; positive-edge trigger; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | ±8 | 4.4 | 50 | 130 | -40 to 125 |
| 74AHCT74 | Dual D-type flip-flop with set and reset; positive-edge trigger; TTL-enabled | 4.5 - 5.5 | TTL | ±8 | 3.3 | 50 | 160 | -40 to 125 |
| 74ALVC374 | Octal D-type flip-flop; positive-edge trigger (3-state) | 1.65 - 3.6 | TTL | ±24 | 2.5 | 50 | 300 | -40 to 85 |
| 74ALVC574 | Octal D-type flip-flop; positive-edge trigger (3-state) | 1.65 - 3.6 | TTL | ±24 | 2.5 | 50 | 300 | -40 to 85 |
| 74ALVC74 | Dual D-type flip-flop with set and reset; positive-edge trigger | 1.65 - 3.6 | TTL | ±24 | 2.3 | 50 | 425 | -40 to 85 |
| 74ALVCH16374 | 16-bit D-type flip-flop with bus hold; positive-edge trigger (3-state) | 1.2 - 3.6 | TTL | ±24 | 2.3 | 50 | 350 | -40 to 85 |
| 74ALVCH16821 | 20-bit D-type flip-flop with bus hold; positive-edge trigger (3-state) | 2.3 - 3.6 | TTL | ±24 | 2.5 | 50 | 350 | -40 to 85 |
| 74ALVCH16823 | 18-bit D-type flip-flop with bus hold; positive-edge trigger (3-state) | 1.2 - 3.6 | TTL | ±24 | 2.1 | 50 | 350 | -40 to 85 |
| 74ALVT162821 | 20-bit D-type flip-flop with source termination; positive-edge trigger (3-state) | 2.3 - 3.6 | TTL | ±12 | 3.2 | 50 | 150 | -40 to 85 |
| 74ALVT162823 | 18-bit D-type flip-flop with source termination; positive-edge trigger (3-state) | 2.3 - 3.6 | TTL | ±12 | 3.0 | 50 | 150 | -40 to 85 |
| 74ALVT16821 | 20-bit D-type flip-flop; positive-edge trigger (3-state) | 2.3 - 3.6 | TTL | -32 / 64 | 1.8 | 50 | 150 | -40 to 85 |
| 74ALVT16823 | 18-bit D-type flip-flop; positive-edge trigger (3-state) | 2.3 - 3.6 | TTL | -32 / 64 | 1.9 | 50 | 250 | -40 to 85 |
| 74AUP1G175 | Single D flip-flop with reset; positive-edge trigger | 1.1 - 3.6 | CMOS | ±1.9 | 7.4 | 30 | 70 | -40 to 125 |
| 74AUP1G374 | Single D-type flip-flop; positive-edge trigger (3-state) | 1.1 - 3.6 | CMOS | ±1.9 | 7.9 | 30 | 400 | -40 to 125 |
| 74AUP1G74 | Single D-type flip-flop with set and reset; positive-edge trigger | 1.1 - 3.6 | CMOS | ±1.9 | 9.2 | 30 | 400 | -40 to 125 |
| 74AUP1G79 | Single D-type flip-flop; positive-edge trigger | 1.1 - 3.6 | CMOS | ±1.9 | 9.1 | 30 | 400 | -40 to 125 |
| 74AUP1G80 | Single D-type flip-flop; positive-edge trigger | 1.1 - 3.6 | CMOS | ±1.9 | 9.1 | 30 | 400 | -40 to 125 |
| 74AUP2G79 | Dual D-type flip-flop; positive-edge trigger | 1.1 - 3.6 | CMOS | ±1.9 | 8.5 | 30 | 400 | -40 to 125 |
| 74AUP2G80 | Dual D-type flip-flop; positive-edge trigger | 1.1 - 3.6 | CMOS | ±1.9 | 9.1 | 30 | 400 | -40 to 125 |
| 74HC107 | Dual JK-type flip-flop with reset; negative-edge trigger | 2.0 - 6.0 | CMOS | ±5.2 | 16 | 50 | 78 | -40 to 125 |
| 74HC109 | Dual JK-type flip-flop with set and reset; positive-edge trigger | 2.0 - 6.0 | CMOS | ±5.2 | 15 | 50 | 75 | -40 to 125 |
| 74HC112 | Dual JK-type flip-flop with set and reset; negative-edge trigger | 2.0 - 6.0 | CMOS | ±5.2 | 15 | 50 | 66 | -40 to 125 |
| 74HC173 | Quad D-type flip-flop; positive-edge trigger (3-state) | 2.0 - 6.0 | CMOS | ±7.8 | 17 | 50 | 88 | -40 to 125 |
| 74HC174 | Hex D-type flip-flop with reset; positive-edge trigger | 2.0 - 6.0 | CMOS | ±5.2 | 17 | 50 | 99 | -40 to 125 |
| 74HC175 | Quad D-type flip-flop with reset; positive-edge trigger | 2.0 - 6.0 | CMOS | ±5.2 | 17 | 50 | 83 | -40 to 125 |
| 74HC273 | Octal D-type flip-flop with reset; positive-edge trigger | 2.0 - 6.0 | CMOS | ±5.2 | 15 | 50 | 122 | -40 to 125 |
| 74HC374 | Octal D-type flip-flop; positive-edge trigger (3-state) | 2.0 - 6.0 | CMOS | ±7.8 | 14 | 50 | 83 | -40 to 125 |

Flip-flops

| Type number | Description | V _{CC} (V) | Logic switching levels | Output drive capability (mA) | t _{pd} (ns) | Output Load C _L (pF) | f _{max} (MHz) | T _{amb} (°C) |
|---------------|---|---------------------|------------------------|------------------------------|----------------------|---------------------------------|------------------------|-----------------------|
| 74HC377 | Octal D-type flip-flop with data enable; positive-edge trigger | 2.0 - 6.0 | CMOS | ±7.8 | 13 | 50 | 83 | -40 to 125 |
| 74HC574 | Octal D-type flip-flop; positive-edge trigger (3-state) | 2.0 - 6.0 | CMOS | ±7.8 | 14 | 50 | 133 | -40 to 125 |
| 74HC73 | Dual JK-type flip-flop with reset; negative-edge trigger | 2.0 - 6.0 | CMOS | ±5.2 | 16 | 50 | 77 | -40 to 125 |
| 74HC74 | Dual D-type flip-flop with set and reset; positive-edge trigger | 2.0 - 6.0 | CMOS | ±5.2 | 14 | 50 | 82 | -40 to 125 |
| 74HCT107 | Dual JK-type flip-flop with reset; negative-edge trigger; TTL-enabled | 4.5 - 5.5 | TTL | ±4 | 16 | 50 | 73 | -40 to 125 |
| 74HCT109 | Dual JK-type flip-flop with set and reset; positive-edge trigger; TTL-enabled | 4.5 - 5.5 | TTL | ±4 | 17 | 50 | 61 | -40 to 125 |
| 74HCT112 | Dual JK-type flip-flop with set and reset; negative-edge trigger; TTL-enabled | 4.5 - 5.5 | TTL | ±4 | 19 | 50 | 70 | -40 to 125 |
| 74HCT173 | Quad D-type flip-flop; positive-edge trigger; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | ±6 | 17 | 50 | 88 | -40 to 125 |
| 74HCT174 | Hex D-type flip-flop with reset; positive-edge trigger; TTL-enabled | 4.5 - 5.5 | TTL | ±4 | 18 | 50 | 69 | -40 to 125 |
| 74HCT175 | Quad D-type flip-flop with reset; positive-edge trigger; TTL-enabled | 4.5 - 5.5 | TTL | ±4 | 16 | 50 | 54 | -40 to 125 |
| 74HCT273 | Octal D-type flip-flop with reset; positive-edge trigger; TTL-enabled | 4.5 - 5.5 | TTL | ±4 | 15 | 50 | 36 | -40 to 125 |
| 74HCT374 | Octal D-type flip-flop; positive-edge trigger; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | ±6 | 13 | 50 | 48 | -40 to 125 |
| 74HCT377 | Octal D-type flip-flop with data enable; positive-edge trigger; TTL-enabled | 4.5 - 5.5 | TTL | ±6 | 14 | 50 | 53 | -40 to 125 |
| 74HCT574 | Octal D-type flip-flop; positive-edge trigger; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | ±6 | 15 | 50 | 76 | -40 to 125 |
| 74HCT74 | Dual D-type flip-flop with set and reset; positive-edge trigger; TTL-enabled | 4.5 - 5.5 | TTL | ±4 | 15 | 50 | 59 | -40 to 125 |
| 74LV74 | Dual D-type flip-flop with set and reset; positive-edge trigger | 1.0 - 5.5 | TTL | ±12 | 11 | 50 | 75 | -40 to 125 |
| 74LVC16374A | 16-bit D-type flip-flop; positive-edge trigger (3-state) | 1.2 - 3.6 | CMOS/LVTTL | ±24 | 3.8 | 50 | 150 | -40 to 125 |
| 74LVC1G175 | Single D flip-flop with reset; positive-edge trigger | 1.65 - 5.5 | CMOS/LVTTL | ±32 | 3.1 | 50 | 300 | -40 to 125 |
| 74LVC1G74 | Single D-type flip-flop with set and reset; positive-edge trigger | 1.65 - 5.5 | CMOS/LVTTL | ±32 | 3.5 | 50 | 280 | -40 to 125 |
| 74LVC1G79 | Single D-type flip-flop; positive-edge trigger | 1.65 - 5.5 | CMOS/LVTTL | ±32 | 2.2 | 50 | 450 | -40 to 125 |
| 74LVC1G80 | Single D-type flip-flop; positive-edge trigger | 1.65 - 5.5 | CMOS/LVTTL | ±32 | 2.4 | 50 | 450 | -40 to 125 |
| 74LVC273 | Octal D-type flip-flop with reset; positive-edge trigger | 1.2 - 3.6 | CMOS/LVTTL | ±24 | 6.0 | 50 | 230 | -40 to 125 |
| 74LVC2G74 | Single D-type flip-flop with set and reset; positive-edge trigger | 1.65 - 5.5 | CMOS/LVTTL | ±32 | 3.5 | 50 | 280 | -40 to 125 |
| 74LVC374A | Octal D-type flip-flop; positive-edge trigger (3-state) | 1.2 - 3.6 | CMOS/LVTTL | ±24 | 2.7 | 50 | 100 | -40 to 125 |
| 74LVC377 | Octal D-type flip-flop with data enable; positive-edge trigger | 1.2 - 3.6 | CMOS/LVTTL | ±24 | 6.0 | 50 | 230 | -40 to 125 |
| 74LVC574A | Octal D-type flip-flop; positive-edge trigger (3-state) | 1.2 - 3.6 | CMOS/LVTTL | ±24 | 3.2 | 50 | 150 | -40 to 125 |
| 74LVC74A | Dual D-type flip-flop with set and reset; positive-edge trigger | 1.2 - 3.6 | CMOS/LVTTL | ±24 | 2.5 | 50 | 250 | -40 to 125 |
| 74LVCH162374A | 16-bit D-type flip-flop with bus hold and 30 Ω termination resistors; positive-edge trigger (3-state) | 1.2 - 3.6 | CMOS/LVTTL | ±24 | 3.8 | 50 | 150 | -40 to 125 |
| 74LVCH16374A | 16-bit D-type flip-flop with bus hold; positive-edge trigger (3-state) | 1.2 - 3.6 | CMOS/LVTTL | ±24 | 3.8 | 50 | 150 | -40 to 125 |
| 74LVT162374 | 16-bit D-type flip-flop with bus hold and 30 Ω termination resistors; positive-edge trigger (3-state) | 2.7 - 3.6 | TTL | ±12 | 3.0 | 50 | 150 | -40 to 85 |
| 74LVT16374A | 16-bit D-type flip-flop with bus hold; positive-edge trigger (3-state) | 2.7 - 3.6 | TTL | -32 / 64 | 3.0 | 50 | 150 | -40 to 85 |
| 74LVTH16374A | 16-bit D-type flip-flop with bus hold; positive-edge trigger (3-state) | 2.7 - 3.6 | TTL | -32 / 64 | 3.0 | 50 | 150 | -40 to 85 |
| HEF4013B | Dual D-type flip-flop with set and reset; positive-edge trigger | 3.0 - 15.0 | CMOS | ±2.4 | 30 | 50 | 40 | -40 to 85 |
| HEF40175B | Quad D-type flip-flop with reset; positive-edge trigger | 3.0 - 15.0 | CMOS | ±2.4 | 25 | 50 | 45 | -40 to 85 |
| HEF4027B | Dual JK-type flip-flop | 3.0 - 15.0 | CMOS | ±2.4 | 30 | 50 | 30 | -40 to 85 |

Latches / Registered drivers

| Type number | Description | V _{CC} (V) | Logic switching levels | Output drive capability (mA) | t _{pd} (ns) | Output Load C _L (pF) | Number of bits | T _{amb} (°C) |
|---------------|--|---------------------|------------------------|------------------------------|----------------------|---------------------------------|----------------|-----------------------|
| 74AHC373 | Octal D-type transparent latch (3-state) | 2.0 - 5.5 | CMOS | ±8 | 4.3 | 50 | 8 | -40 to 125 |
| 74AHC573 | Octal D-type transparent latch (3-state) | 2.0 - 5.5 | CMOS | ±8 | 4.2 | 50 | 8 | -40 to 125 |
| 74AHT573 | Octal D-type transparent latch; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | ±8 | 3.9 | 50 | 8 | -40 to 125 |
| 74ALVC373 | Octal D-type transparent latch (3-state) | 1.65 - 3.6 | TTL | ±24 | 2.2 | 50 | 8 | -40 to 85 |
| 74ALVC573 | Octal D-type transparent latch (3-state) | 1.65 - 3.6 | TTL | ±24 | 2.2 | 50 | 8 | -40 to 85 |
| 74ALVCH16373 | 16-bit D-type transparent latch with bus hold (3-state) | 2.3 - 3.6 | TTL | ±24 | 2.1 | 50 | 16 | -40 to 85 |
| 74ALVCH16841 | 20-bit D-type transparent latch with bus hold (3-state) | 2.3 - 3.6 | TTL | ±24 | 2.4 | 50 | 20 | -40 to 85 |
| 74ALVCH16843 | 18-bit D-type transparent latch with bus hold (3-state) | 2.3 - 3.6 | TTL | ±24 | 2.1 | 50 | 18 | -40 to 85 |
| 74ALVT16373 | 16-bit D-type transparent latch with bus hold (3-state) | 2.3 - 3.6 | TTL | -32 / 64 | 1.8 | 50 | 16 | -40 to 85 |
| 74AUP1G373 | Single D-type transparent latch (3-state) | 1.1 - 3.6 | CMOS | ±1.9 | 8.5 | 30 | 1 | -40 to 125 |
| 74HC259 | 8-bit addressable latch | 2.0 - 6.0 | CMOS | ±5.2 | 18 | 50 | 8 | -40 to 125 |
| 74HC373 | Octal D-type transparent latch (3-state) | 2.0 - 6.0 | CMOS | ±7.8 | 12 | 50 | 8 | -40 to 125 |
| 74HC573 | Octal D-type transparent latch (3-state) | 2.0 - 6.0 | CMOS | ±7.8 | 14 | 50 | 8 | -40 to 125 |
| 74HC75 | Quad bistable transparent latch | 2.0 - 6.0 | CMOS | ±5.2 | 11 | 50 | 4 | -40 to 125 |
| 74HCT259 | 8-bit addressable latch; TTL-enabled | 4.5 - 5.5 | TTL | ±4 | 20 | 50 | 8 | -40 to 125 |
| 74HCT373 | Octal D-type transparent latch; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | ±6 | 14 | 50 | 8 | -40 to 125 |
| 74HCT573 | Octal D-type transparent latch; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | ±6 | 17 | 50 | 8 | -40 to 125 |
| 74LVC162373A | 16-bit D-type transparent latch with 30 Ω termination resistors (3-state) | 1.2 - 3.6 | CMOS/LVTTL | ±12 | 3.2 | 50 | 16 | -40 to 125 |
| 74LVC16373A | 16-bit D-type transparent latch (3-state) | 1.2 - 3.6 | CMOS/LVTTL | ±24 | 3.0 | 50 | 16 | -40 to 125 |
| 74LVC373A | Octal D-type transparent latch (3-state) | 1.2 - 3.6 | CMOS/LVTTL | ±24 | 3.0 | 50 | 8 | -40 to 125 |
| 74LVC573A | Octal D-type transparent latch (3-state) | 1.2 - 3.6 | CMOS/LVTTL | ±24 | 3.4 | 50 | 8 | -40 to 125 |
| 74LVCH162373A | 16-bit D-type transparent latch with bus hold and 30 Ω termination resistors (3-state) | 1.2 - 3.6 | CMOS/LVTTL | ±24 | 3.2 | 50 | 16 | -40 to 125 |
| 74LVCH16373A | 16-bit D-type transparent latch with bus hold (3-state) | 1.2 - 3.6 | CMOS/LVTTL | ±24 | 3.0 | 50 | 16 | -40 to 125 |
| 74LVT162373 | 16-bit D-type transparent latch with bus hold and 30 Ω termination resistors (3-state) | 2.7 - 3.6 | TTL | ±12 | 2.5 | 50 | 16 | -40 to 85 |
| 74LVT16373A | 16-bit D-type transparent latch with bus hold (3-state) | 2.7 - 3.6 | TTL | -32 / 64 | 1.9 | 50 | 16 | -40 to 85 |
| 74LVT573 | Octal D-type transparent latch (3-state) | 2.7 - 3.6 | TTL | -32 / 64 | 2.7 | 50 | 8 | -40 to 85 |
| HEF4043B | Quad R/S latch with set and reset (3-state) | 3.0 - 15.0 | CMOS | ±2.4 | 25 | 50 | 4 | -40 to 85 |

Shift registers

| Type number | Description | V _{CC} (V) | Logic switching levels | Output drive capability (mA) | t _{pd} (ns) | f _{max} (MHz) | Number of bits | T _{amb} (°C) |
|-------------|---|---------------------|------------------------|------------------------------|----------------------|------------------------|----------------|-----------------------|
| 74AHC164 | 8-bit serial-in/parallel-out shift register | 2.0 - 5.5 | CMOS | +/- 8 | 4.5 | 115 | 8 | -40 to 125 |
| 74AHCT164 | 8-bit serial-in/parallel-out shift register; TTL enabled | 4.5 - 5.5 | TTL | +/- 8 | 3.4 | 115 | 8 | -40 to 125 |
| 74AHC594 | 8-bit serial-in/parallel-out shift register with output storage register | 2.0 - 5.5 | CMOS | +/- 8 | 4.1 | 160 | 8 | -40 to 125 |
| 74AHCT594 | 8-bit serial-in/parallel-out shift register with output storage register; TTL enabled | 4.5 - 5.5 | TTL | +/- 8 | 3.8 | 160 | 8 | -40 to 125 |
| 74AHC595 | 8-bit serial-in/parallel-out shift register with output storage register (3-state) | 2.0 - 5.5 | CMOS | +/- 8 | 4 | 170 | 8 | -40 to 125 |
| 74AHCT595 | 8-bit serial-in/parallel-out shift register with output storage register; TTL enabled (3-state) | 4.5 - 5.5 | TTL | +/- 8 | 3.8 | 170 | 8 | -40 to 125 |
| 74HC299 | 8-bit universal shift register (3-state) | 2.0 - 6.0 | CMOS | +/- 7.8 | 19 | 54 | 8 | -40 to 125 |
| 74HC164 | 8-bit serial-in/parallel-out shift register | 2.0 - 6.0 | CMOS | +/- 5.2 | 12 | 78 | 8 | -40 to 125 |
| 74HCT164 | 8-bit serial-in/parallel-out shift register; TTL enabled | 2.0 - 6.0 | TTL | +/- 5.2 | 12 | 78 | 8 | -40 to 125 |
| 74HC165 | 8-bit parallel or serial-in/serial-out shift register | 2.0 - 6.0 | CMOS | +/- 5.2 | 16 | 56 | 8 | -40 to 125 |
| 74HCT165 | 8-bit parallel or serial-in/serial-out shift register; TTL enabled | 4.5 - 5.5 | TTL | +/- 4 | 14 | 48 | 8 | -40 to 125 |
| 74HC166 | 8-bit parallel or serial-in/serial-out shift register | 2.0 - 6.0 | CMOS | +/- 5.2 | 15 | 63 | 8 | -40 to 125 |
| 74HCT166 | 8-bit parallel or serial-in/serial-out shift register; TTL enabled | 4.5 - 5.5 | TTL | +/- 4.0 | 23 | 50 | 8 | -40 to 125 |
| 74HC594 | 8-bit serial-in/parallel-out shift register with output storage register | 2.0 - 6.0 | CMOS | +/- 7.8 | 14 | 109 | 8 | -40 to 125 |
| 74HCT594 | 8-bit serial-in/parallel-out shift register with output storage register; TTL enabled | 4.5 - 5.5 | TTL | +/- 6 | 15 | 100 | 8 | -40 to 125 |
| 74HC595 | 8-bit serial-in/parallel-out shift register with output storage register (3-state) | 2.0 - 6.0 | CMOS | +/- 7.8 | 16 | 108 | 8 | -40 to 125 |
| 74HCT595 | 8-bit serial-in/parallel-out shift register with output storage register; TTL enabled (3-state) | 4.5 - 5.5 | TTL | +/- 6 | 25 | 57 | 8 | -40 to 125 |
| 74HC597 | 8-bit parallel or serial-in/parallel-out shift register with parallel input storage register | 2.0 - 6.0 | CMOS | +/- 5.2 | 16 | 108 | 8 | -40 to 125 |
| 74HCT597 | 8-bit parallel or serial-in/parallel-out shift register with parallel input storage register; TTL enabled | 4.5 - 5.5 | TTL | +/- 4 | 20 | 83 | 8 | -40 to 125 |
| 74HC4094 | 8-bit serial-in/serial or parallel-out shift register with output register (3-state) | 2.0 - 6.0 | CMOS | +/- 5.2 | 15 | 95 | 8 | -40 to 125 |
| 74HCT4094 | 8-bit serial-in/serial or parallel-out shift register with output register; TTL enabled (3-state) | 4.5 - 5.5 | TTL | +/- 4 | 19 | 86 | 8 | -40 to 125 |
| 74LV164 | 8-bit serial-in/parallel-out shift register | 1.0 - 5.5 | CMOS | +/- 12 | 12 | 78 | 8 | -40 to 125 |
| 74LV165 | 8-bit parallel or serial-in/serial-out shift register | 1.0 - 5.5 | CMOS | +/- 12 | 18 | 78 | 8 | -40 to 125 |
| 74LV165A | 8-bit parallel or serial-in/serial-out shift register | 1.0 - 5.5 | CMOS | +/- 12 | 7.5 | 115 | 8 | -40 to 125 |
| 74LV595 | 8-bit serial-in/parallel-out shift register with output storage register (3-state) | 1.0 - 3.6 | CMOS | +/- 8 | 15 | 77 | 8 | -40 to 125 |
| 74LV4094 | 8-bit serial-in/serial or parallel-out shift register with output register (3-state) | 1.0 - 3.6 | CMOS | +/- 6 | 14 | 95 | 8 | -40 to 125 |
| 74LVC594A | 8-bit serial-in/parallel-out shift register with output storage register | 1.2 - 5.5 | CMOS/LVTTL | +/- 24 | 3.1 | 180 | 8 | -40 to 125 |
| 74LVC595A | 8-bit serial-in/parallel-out shift register with output storage register (3-state) | 1.2 - 5.5 | CMOS/LVTTL | +/- 24 | 4 | 180 | 8 | -40 to 125 |
| 74LVC8T595 | Dual supply 8-bit serial-in/serial-out or parallel-out shift register; 3-state | 1.1 - 5.5 | CMOS/ LVTTL | ±24 | 4.1 | 15 | 8 | -40 to 125 |
| 74VHC595 | 8-bit serial-in/parallel-out shift register with output storage register (3-state) | 2.0 - 5.5 | CMOS | +/- 8 | 4 | 170 | 8 | -40 to 125 |
| 74VHCT595 | 8-bit serial-in/parallel-out shift register with output storage register; TTL enabled (3-state) | 4.5 - 5.5 | TTL | +/- 8 | 3.8 | 170 | 8 | -40 to 125 |
| HEF4014B | 8-bit shift register with synchronous parallel enable | 4.5 - 15 | CMOS | +/- 2.4 | 40 | 40 | 8 | -40 to 85 |
| HEF4015B | dual 4-bit serial-in/parallel-out shift register | 4.5 - 15 | CMOS | +/- 2.4 | 40 | 44 | 2 | -40 to 85 |
| HEF4021B | 8-bit shift register with asynchronous parallel load | 4.5 - 15 | CMOS | +/- 2.4 | 40 | 40 | 8 | -40 to 85 |
| HEF4094B | 8-bit serial-in/serial or parallel-out shift register with output register (3-state) | 4.5 - 15 | CMOS | +/- 2.4 | 50 | 28 | 8 | -40 to 85 |
| HEF4794B | 8-bit serial-in/serial or parallel-out shift register with output register LED driver (3-state) | 4.5 - 15 | CMOS | -20 | 45 | 28 | 8 | -40 to 85 |
| HEF4894B | 12-bit serial-in/serial or parallel-out shift register with output register LED driver (3-state) | 4.5 - 15 | CMOS | -20 | 45 | 28 | 12 | -40 to 85 |

Counters / Frequency dividers

| Type number | Description | V _{CC} (V) | Output drive capability (mA) | Logic switching levels | t _{pd} (ns) | Output Load C _L (pF) | f _{max} (MHz) | T _{amb} (°C) |
|-------------|---|---------------------|------------------------------|------------------------|----------------------|---------------------------------|------------------------|-----------------------|
| 74AHC1G4208 | 08-stage divider and oscillator | 2.0 - 5.5 | ±8 | CMOS | 14 | 15 | 165 | -40 to 125 |
| 74AHC1G4210 | 10-stage divider and oscillator | 2.0 - 5.5 | ±5.2 | CMOS | 17 | 15 | 125 | -40 to 125 |
| 74AHC1G4212 | 12-stage divider and oscillator | 2.0 - 5.5 | ±5.2 | CMOS | 20 | 15 | 125 | -40 to 125 |
| 74AHC1G4214 | 14-stage divider and oscillator | 2.0 - 5.5 | ±5.2 | CMOS | 23 | 15 | 125 | -40 to 125 |
| 74AHC1G4215 | 14-stage divider and oscillator | 2.0 - 5.5 | ± 8 | CMOS | 24 | 15 | 165 | -40 to 125 |
| 74HC161 | Presetable synchronous 4-bit binary counter; asynchronous reset | 2.0 - 6.0 | ±5.2 | CMOS | 19 | 50 | 48 | -40 to 125 |
| 74HC191 | Presetable synchronous 4-bit binary up/down counter | 2.0 - 6.0 | ±5.2 | CMOS | 22 | 50 | 36 | -40 to 125 |
| 74HC193 | Presetable synchronous 4-bit binary up/down counter; separate up/down clocks | 2.0 - 6.0 | ±5.2 | CMOS | 20 | 50 | 49 | -40 to 125 |
| 74HCT193 | Presetable synchronous 4-bit binary up/down counter; separate up/down clocks; TTL-enabled | 4.5 - 5.5 | ±4.0 | TTL | 20 | 50 | 43 | -40 to 125 |
| 74HC390 | Dual decade ripple counter | 2.0 - 6.0 | ±5.2 | CMOS | 14 | 50 | 60 | -40 to 125 |
| 74HCT390 | Dual decade ripple counter; TTL-enabled | 4.5 - 5.5 | ±4.0 | TTL | 18 | 50 | 55 | -40 to 125 |
| 74HC393 | Dual 4-bit binary ripple counter | 2.0 - 6.0 | ±5.2 | CMOS | 12 | 50 | 107 | -40 to 125 |
| 74HCT393 | Dual 4-bit binary ripple counter; TTL-enabled | 4.5 - 5.5 | ±4.0 | TTL | 20 | 50 | 53 | -40 to 125 |
| 74HC4017 | Johnson decade counter with 10 decoded outputs | 2.0 - 6.0 | ±5.2 | CMOS | 18 | 50 | 77 | -40 to 125 |
| 74HCT4017 | Johnson decade counter with 10 decoded outputs; TTL-enabled | 4.5 - 5.5 | ±4.0 | TTL | 21 | 50 | 67 | -40 to 125 |
| 74HC4020 | 14-stage binary ripple counter | 2.0 - 6.0 | ±5.2 | CMOS | 11 | 50 | 52 | -40 to 125 |
| 74HCT4020 | 14-stage binary ripple counter; TTL-enabled | 4.5 - 5.5 | ±4.0 | TTL | 15 | 50 | 52 | -40 to 125 |
| 74HC4040 | 12-stage binary ripple counter | 2.0 - 6.0 | ±5.2 | CMOS | 14 | 50 | 90 | -40 to 125 |
| 74HCT4040 | 12-stage binary ripple counter; TTL-enabled | 4.5 - 5.5 | ±4.0 | TTL | 16 | 50 | 79 | -40 to 125 |
| 74HC4060 | 14-stage binary ripple counter with oscillator | 2.0 - 6.0 | ±5.2 | CMOS | 31 | 50 | 95 | -40 to 125 |
| 74HCT4060 | 14-stage binary ripple counter with oscillator; TTL-enabled | 4.5 - 5.5 | ±4.0 | TTL | 31 | 50 | 88 | -40 to 125 |
| 74HC4520 | Dual 4-bit synchronous binary counter | 2.0 - 6.0 | ±5.2 | CMOS | 24 | 50 | 64 | -40 to 125 |
| 74HCT4520 | Dual 4-bit synchronous binary counter; TTL-enabled | 4.5 - 5.5 | ±4.0 | TTL | 24 | 50 | 64 | -40 to 125 |
| 74HC40103 | 8-bit synchronous binary down counter | 2.0 - 6.0 | ±5.2 | CMOS | 15 | 50 | 14 | -40 to 125 |
| 74HC4024 | 7-stage binary ripple counter | 2.0 - 6.0 | ±5.2 | CMOS | 14 | 50 | 90 | -40 to 125 |
| 74HC590 | 8-bit binary counter with output register (3-state) | 2.0 - 6.0 | ±5.2 | CMOS | 19 | 50 | 61 | -40 to 125 |
| 74LV393 | Dual 4-bit binary ripple counter | 1.0 - 3.6 | ±6 | TTL | 12 | 50 | 90 | -40 to 125 |
| 74LV4060 | 14-stage binary ripple counter with oscillator | 1.0 - 5.5 | ±6 | TTL | 29 | 50 | 100 | -40 to 125 |
| 74LVC161 | Presetable synchronous 4-bit binary counter; asynchronous reset | 1.2 - 3.6 | ±24 | CMOS/ LVTTTL | 4.9 | 50 | 200 | -40 to 125 |
| 74LVC163 | Presetable synchronous 4-bit binary counter; synchronous reset | 1.2 - 3.6 | ±24 | CMOS/ LVTTTL | 4.9 | 50 | 200 | -40 to 125 |
| HEF4017B | Johnson decade counter with 10 decoded outputs | 3.0 - 15 | ±2.4 | CMOS | 40 | 50 | 30 | -40 to 85 |
| HEF4020B | 14-stage binary ripple counter | 3.0 - 15 | ±2.4 | CMOS | 35 | 50 | 35 | -40 to 85 |
| HEF4040B | 12-stage binary ripple counter | 3.0 - 15 | ±2.4 | CMOS | 35 | 50 | 50 | -40 to 85 |
| HEF4060B | 14-stage binary ripple counter with oscillator | 3.0 - 15 | ±2.4 | CMOS | 50 | 50 | 30 | -40 to 85 |
| HEF4518B | Dual BCD counter | 3.0 - 15 | ±2.4 | CMOS | 40 | 50 | 40 | -40 to 85 |
| HEF4520B | Dual 4-bit synchronous binary counter | 3.0 - 15 | ±2.4 | CMOS | 15 | 50 | 40 | -40 to 85 |
| HEF4521B | 24-stage frequency divider and oscillator | 3.0 - 15 | ±2.4 | CMOS | 220 | 50 | 35 | -40 to 85 |
| HEF4541B | Programmable timer | 3.0 - 15 | - 4/ 2.7 | CMOS | 38 | 50 | 150 | -40 to 85 |

Decoders and Demultiplexers

| Type number | Description | V _{cc} (V) | Logic switching levels | Output drive capability (mA) | t _{pd} (ns) | Output Load C _L (pF) | T _{amb} (°C) |
|-------------|---|---------------------|------------------------|------------------------------|----------------------|---------------------------------|-----------------------|
| 74AHC138 | 3-to-8 line decoder/demultiplexer; inverting | 2.0 - 5.5 | CMOS | ±8 | 4.4 | 50 | -40 to 125 |
| 74AHC139 | Dual 2-to-4 line decoder/demultiplexer | 2.0 - 5.5 | CMOS | ±8 | 3.9 | 50 | -40 to 125 |
| 74AHCT138 | 3-to-8 line decoder/demultiplexer; inverting; TTL-enabled | 4.5 - 5.5 | TTL | ±8 | 4.4 | 50 | -40 to 125 |
| 74AHCT139 | Dual 2-to-4 line decoder/demultiplexer; TTL-enabled | 4.5 - 5.5 | TTL | ±8 | 3.6 | 50 | -40 to 125 |
| 74AUP1G18 | 1-to-2 demultiplexer (3-state) | 1.1 - 3.6 | CMOS | ±1.9 | 3.2 | 30 | -40 to 125 |
| 74AUP1G19 | 1-to-2 decoder/demultiplexer | 1.1 - 3.6 | CMOS | ±1.9 | 3.0 | 30 | -40 to 125 |
| 74HC137 | 3-to-8 line decoder/demultiplexer with address latches; inverting | 2.0 - 6.0 | CMOS | ±5.2 | 18 | 50 | -40 to 125 |
| 74HC138 | 3-to-8 line decoder/demultiplexer; inverting | 2.0 - 6.0 | CMOS | ±5.2 | 12 | 50 | -40 to 125 |
| 74HC139 | Dual 2-to-4 line decoder/demultiplexer | 2.0 - 6.0 | CMOS | ±5.2 | 14 | 50 | -40 to 125 |
| 74HC154 | 4-to-16 line decoder/demultiplexer | 2.0 - 6.0 | CMOS | ±5.2 | 11 | 50 | -40 to 125 |
| 74HC237 | 3-to-8 decoder/demultiplexer with address latches | 2.0 - 6.0 | CMOS | ±5.2 | 18 | 50 | -40 to 125 |
| 74HC238 | 3-to-8 decoder/demultiplexer | 2.0 - 6.0 | CMOS | ±5.2 | 14 | 50 | -40 to 125 |
| 74HC42 | BCD to decimal decoder (1-of-10) | 2.0 - 6.0 | CMOS | ±5.2 | 17 | 50 | -40 to 125 |
| 74HC4511 | BCD to 7-segment latch/decoder/driver with lamp test input | 2.0 - 6.0 | CMOS | -10 | 28 | 50 | -40 to 125 |
| 74HC4514 | 4-to-16 decoder/demultiplexer with address latches | 2.0 - 6.0 | CMOS | ±5.2 | 27 | 50 | -40 to 125 |
| 74HCT138 | 3-to-8 line decoder/demultiplexer; inverting; TTL-enabled | 4.5 - 5.5 | TTL | ±4 | 19 | 50 | -40 to 125 |
| 74HCT139 | Dual 2-to-4 line decoder/demultiplexer; TTL-enabled | 4.5 - 5.5 | TTL | ±4 | 16 | 50 | -40 to 125 |
| 74HCT154 | 4-to-16 line decoder/demultiplexer; TTL-enabled | 4.5 - 5.5 | TTL | ±4 | 13 | 50 | -40 to 125 |
| 74HCT238 | 3-to-8 decoder/demultiplexer; TTL-enabled | 4.5 - 5.5 | TTL | ±4 | 18 | 50 | -40 to 125 |
| 74HCT4511 | BCD to 7-segment latch/decoder/driver with lamp test input; TTL-enabled | 4.5 - 5.5 | TTL | -10 | 28 | 50 | -40 to 125 |
| 74HCT4514 | 4-to-16 decoder/demultiplexer with address latches; TTL-enabled | 4.5 - 5.5 | TTL | ±4 | 30 | 50 | -40 to 125 |
| 74LV138 | 3-to-8 line decoder/demultiplexer; inverting | 1.0 - 5.5 | TTL | ±12 | 12 | 50 | -40 to 125 |
| 74LVC138A | 3-to-8 line decoder/demultiplexer; inverting | 1.2 - 3.6 | CMOS/LVTTL | ±24 | 2.7 | 50 | -40 to 125 |
| 74LVC139 | Dual 2-to-4 line decoder/demultiplexer | 1.2 - 3.6 | CMOS/LVTTL | ±24 | 2.5 | 50 | -40 to 125 |
| 74LVC1G18 | 1-to-2 demultiplexer (3-state) | 1.65 - 5.5 | CMOS/LVTTL | ±32 | 2.3 | 50 | -40 to 125 |
| 74LVC1G19 | 1-to-2 decoder/demultiplexer | 1.65 - 5.5 | CMOS/LVTTL | ±32 | 1.8 | 50 | -40 to 125 |
| HEF4028B | 1-of-10 decoder | 3.0 - 15.0 | CMOS | ±2.4 | 30 | 50 | -40 to 85 |
| HEF4543B | BCD to 7-segment latch/decoder/driver with phase input | 3.0 - 15.0 | CMOS | ±2.4 | 55 | 50 | -40 to 85 |
| HEF4555B | Dual 1-to-4 line decoder/demultiplexer | 3.0 - 15.0 | CMOS | ±2.4 | 30 | 50 | -40 to 85 |

Digital multiplexers

| Type number | Description | V _{CC} (V) | Logic switching levels | Output drive capability (mA) | Output Load C _L (pF) | t _{pd} (ns) | T _{amb} (°C) |
|-------------|---|---------------------|------------------------|------------------------------|---------------------------------|----------------------|-----------------------|
| 74AHC157 | Quad 2-input multiplexer | 2.0 - 5.5 | CMOS | ±8 | 50 | 3.2 | -40 to 125 |
| 74AHC257 | Quad 2-input multiplexer (3-state) | 2.0 - 5.5 | CMOS | ±8 | 50 | 2.9 | -40 to 125 |
| 74AHCT157 | Quad 2-input multiplexer; TTL-enabled | 4.5 - 5.5 | TTL | ±8 | 50 | 3.2 | -40 to 125 |
| 74AHCT257 | Quad 2-input multiplexer; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | ±8 | 50 | 3.7 | -40 to 125 |
| 74AUP1G157 | Single 2-input multiplexer | 1.1 - 3.6 | CMOS | ±1.9 | 30 | 3.2 | -40 to 125 |
| 74AUP1G158 | Single 2-input multiplexer; inverting | 1.1 - 3.6 | CMOS | ±1.9 | 30 | 3.2 | -40 to 125 |
| 74AUP2G157 | Single 2-input multiplexer | 1.1 - 3.6 | CMOS | ±1.9 | 30 | 3.4 | -40 to 125 |
| 74HC151 | 8-input multiplexer | 2.0 - 6.0 | CMOS | ±5.2 | 50 | 17 | -40 to 125 |
| 74HC153 | Dual 4-input multiplexer | 2.0 - 6.0 | CMOS | ±5.2 | 50 | 17 | -40 to 125 |
| 74HC157 | Quad 2-input multiplexer | 2.0 - 6.0 | CMOS | ±5.2 | 50 | 11 | -40 to 125 |
| 74HC251 | 8-input multiplexer (3-state) | 2.0 - 6.0 | CMOS | ±5.2 | 50 | 18 | -40 to 125 |
| 74HC253 | Dual 4-input multiplexer (3-state) | 2.0 - 6.0 | CMOS | ±7.8 | 50 | 17 | -40 to 125 |
| 74HC257 | Quad 2-input multiplexer (3-state) | 2.0 - 6.0 | CMOS | ±7.8 | 50 | 11 | -40 to 125 |
| 74HCT151 | 8-input multiplexer; TTL-enabled | 4.5 - 5.5 | TTL | ±4 | 50 | 19 | -40 to 125 |
| 74HCT153 | Dual 4-input multiplexer; TTL-enabled | 4.5 - 5.5 | TTL | ±4 | 50 | 19 | -40 to 125 |
| 74HCT157 | Quad 2-input multiplexer; TTL-enabled | 4.5 - 5.5 | TTL | ±4 | 50 | 13 | -40 to 125 |
| 74HCT251 | 8-input multiplexer; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | ±4 | 50 | 22 | -40 to 125 |
| 74HCT253 | Dual 4-input multiplexer; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | ±6 | 50 | 17 | -40 to 125 |
| 74HCT257 | Quad 2-input multiplexer; TTL-enabled (3-state) | 4.5 - 5.5 | TTL | ±6 | 50 | 13 | -40 to 125 |
| 74LVC157A | Quad 2-input multiplexer | 1.2 - 3.6 | CMOS/LVTTL | ±24 | 50 | 2.5 | -40 to 125 |
| 74LVC1G157 | Single 2-input multiplexer | 1.65 - 5.5 | CMOS/LVTTL | ±32 | 50 | 2.2 | -40 to 125 |
| 74LVC257A | Quad 2-input multiplexer (3-state) | 1.2 - 3.6 | CMOS/LVTTL | ±24 | 50 | 2.4 | -40 to 125 |

Speciality logic

| Type number | Description | V _{CC} (V) | Logic switching levels | Output drive capability (mA) | t _{pd} (ns) | Output Load C _L (pF) | F _{max} (MHz) | T _{amb} (°C) |
|-------------|--|---------------------|------------------------|------------------------------|----------------------|---------------------------------|------------------------|-----------------------|
| 74HC280 | 9-bit odd/even parity generator/checker | 2.0 - 6.0 | CMOS | ±5.2 | 17 | 50 | | -40 to 125 |
| 74HCT280 | 9-bit odd/even parity generator/checker; TTL-enabled | 4.5 - 5.5 | TTL | ±4 | 18 | 50 | | -40 to 125 |
| 74HC688 | 8-bit magnitude comparator | 2.0 - 6.0 | CMOS | ±5.2 | 17 | 50 | | -40 to 125 |
| 74HCT688 | 8-bit magnitude comparator; TTL-enabled | 4.5 - 5.5 | TTL | ±4 | 17 | 50 | | -40 to 125 |
| 74HC85 | 4-bit magnitude comparator | 2.0 - 6.0 | CMOS | ±5.2 | 23 | 50 | | -40 to 125 |
| 74HCT85 | 4-bit magnitude comparator; TTL-enabled | 4.5 - 5.5 | TTL | ±4 | 26 | 50 | | -40 to 125 |
| 74HC4046A | Phase-locked loop with VCO | 3.0 - 6.0 | CMOS | ±5.2 | 18 | 50 | 21 | -40 to 125 |
| 74HCT4046A | Phase-locked loop with VCO; TTL-enabled | 4.5 - 5.5 | TTL | ±4 | 23 | 50 | 19 | -40 to 125 |
| HEF4046B | Phase-locked loop with VCO | 3.0 - 15.0 | CMOS | ±2.4 | | 50 | 2.7 | -40 to 125 |

Specialty logic - Multivibrators

| Type number | Description | V _{CC} (V) | Logic switching levels | Output drive capability (mA) | t _{pd} (ns) | Output Load C _L (pF) | T _{amb} (°C) |
|-------------|---|---------------------|------------------------|------------------------------|----------------------|---------------------------------|-----------------------|
| 74AHC123A | Dual retriggerable monostable multivibrator with reset | 2.0 - 5.5 | CMOS | ±8 | 5.1 | 50 | -40 to 125 |
| 74AHCT123A | Dual retriggerable monostable multivibrator with reset; TTL-enabled | 4.5 - 5.5 | TTL | ±8 | 5.0 | 50 | -40 to 125 |
| 74HC123 | Dual retriggerable monostable multivibrator with reset | 2.0 - 6.0 | CMOS | ±7.8 | 9.0 | 50 | -40 to 125 |
| 74HCT123 | Dual retriggerable monostable multivibrator with reset; TTL-enabled | 4.5 - 5.5 | TTL | ±4 | 26 | 50 | -40 to 125 |
| 74HCT221 | dual non-retriggerable monostable multivibrator with reset; TTL-enabled | 4.5 - 5.5 | TTL | ±4 | 32 | 50 | -40 to 125 |
| 74HC423 | Dual retriggerable monostable multivibrator with reset | 2.0 - 6.0 | CMOS | ±5.2 | 23 | 50 | -40 to 125 |
| 74HC4538 | Dual retriggerable precision monostable multivibrator | 2.0 - 6.0 | CMOS | ±5.2 | 27 | 50 | -40 to 125 |
| 74HCT4538 | Dual retriggerable precision monostable multivibrator; TTL-enabled | 4.5 - 5.5 | TTL | ±4 | 30 | 50 | -40 to 125 |
| 74LV123 | Dual retriggerable monostable multivibrator with reset | 1.0 - 5.5 | TTL | ±12 | 20 | 50 | -40 to 125 |
| 74LVC1G123 | Single retriggerable monostable multivibrator | 1.65 - 5.5 | CMOS/LVTTL | ±32 | 3.5 | 50 | -40 to 125 |
| HEF4047B | Monostable/astable multivibrator | 3.0 - 15 | CMOS | ±2.4 | 50 | 50 | -40 to 85 |
| HEF4528B | Dual retriggerable monostable multivibrator with reset | 3.0 - 15 | CMOS | ±2.4 | 40 | 50 | -40 to 85 |
| HEF4538B | Dual retriggerable precision monostable multivibrator | 3.0 - 15 | CMOS | ±2.4 | 60 | 50 | -40 to 85 |

Voltage translators (level-shifters)

Uni-directional

| Type number | Description | V _{CC(A)} (V) | V _{CC(B)} (V) | Logic switching levels | Output drive capability (mA) | t _{pd} (ns) | Output Load C _L (pF) | Number of bits | T _{amb} (°C) |
|-------------|---|------------------------|------------------------|------------------------|------------------------------|----------------------|---------------------------------|----------------|-----------------------|
| 74AUP1T00 | Single supply 2-input voltage-translating NAND gate | 2.3 - 3.6 | n.a. | CMOS | ±4 | 3.8 | 15 | 1 | -40 to 125 |
| 74AUP1T02 | Single supply 2-input voltage-translating NOR gate | 2.3 - 3.6 | n.a. | CMOS | ±4 | 3.8 | 15 | 1 | -40 to 125 |
| 74AUP1T04 | Single supply voltage-translating inverter | 2.3 - 3.6 | n.a. | CMOS | ±4 | 3.7 | 15 | 1 | -40 to 125 |
| 74AUP1T08 | Single supply 2-input voltage-translating AND gate | 2.3 - 3.6 | n.a. | CMOS | ±4 | 3.8 | 15 | 1 | -40 to 125 |
| 74AUP1T14 | Single supply voltage-translating inverter | 2.3 - 3.6 | n.a. | CMOS | ±4 | 3.7 | 15 | 1 | -40 to 125 |
| 74AUP1T17 | Single supply voltage-translating buffer | 2.3 - 3.6 | n.a. | CMOS | ±4 | 3.7 | 15 | 1 | -40 to 125 |
| 74AUP1T32 | Single supply 2-input voltage-translating OR gate | 2.3 - 3.6 | n.a. | CMOS | ±4 | 3.7 | 15 | 1 | -40 to 125 |
| 74AUP1T34 | Single dual-supply translating buffer | 1.1 - 3.6 | n.a. | CMOS | ±4 | 5.4 | 15 | 1 | -40 to 125 |
| 74AUP1T45 | Single dual-supply voltage-translating transceiver (3-state) | 1.1 - 3.6 | 1.1 - 3.6 | CMOS | ±4 | 7.1 | 15 | 1 | -40 to 125 |
| 74AUP1T50 | Single supply voltage-translating buffer | 2.3 - 3.6 | n.a. | CMOS | ±4 | 3.7 | 15 | 1 | -40 to 125 |
| 74AUP1T57 | Configurable gate with voltage-level translation | 2.3 - 3.6 | n.a. | CMOS | ±4 | 3.9 | 15 | 1 | -40 to 125 |
| 74AUP1T58 | Configurable gate with voltage-level translation | 2.3 - 3.6 | n.a. | CMOS | ±4 | 3.9 | 15 | 1 | -40 to 125 |
| 74AUP1T86 | Single supply 2-input voltage-translating XOR gate | 2.3 - 3.6 | n.a. | CMOS | ±4 | 3.9 | 15 | 1 | -40 to 125 |
| 74AUP1T87 | Single supply 2-input voltage-translating XNOR gate | 2.3 - 3.6 | n.a. | CMOS | ±4 | 4 | 15 | 1 | -40 to 125 |
| 74AUP1T97 | Configurable gate with voltage-level translation | 2.3 - 3.6 | n.a. | CMOS | ±4 | 3.9 | 15 | 1 | -40 to 125 |
| 74AUP1T98 | Configurable gate with voltage-level translation | 2.3 - 3.6 | n.a. | CMOS | ±4 | 3.9 | 15 | 1 | -40 to 125 |
| 74AVC1T8128 | Single dual-supply translating 2-input NOR with enable | 0.8 - 3.6 | 0.8 - 3.6 | CMOS/ LVTTTL | ±12 | 4.9 | 15 | 1 | -40 to 125 |
| 74AVC1T8832 | Single dual-supply translating 2-input OR with strobe | 0.8 - 3.6 | 0.8 - 3.6 | CMOS/ LVTTTL | ±12 | 2.4 | 15 | 1 | -40 to 125 |
| 74AVC1T1004 | 1-to-4 fan out buffer | 0.8 - 3.6 | 0.8 - 3.6 | CMOS/ LVTTTL | ±12 | 4.9 | 15 | 1 | -40 to 125 |
| 74AVC1T1022 | 1-to-4 fan out buffer | 0.8 - 3.6 | 0.8 - 3.6 | CMOS/ LVTTTL | ±12 | 4.0 | 30 | 1 | -40 to 125 |
| 74AVC4T3144 | 4-bit dual-supply voltage-translating buffer (3-state) | 0.8 - 3.6 | 0.8 - 3.6 | CMOS/ LVTTTL | ±12 | 4.6 | 15 | 4 | -40 to 125 |
| 74LV1T00 | 2-input single supply translating NAND gate | 1.6 - 5.5 | n.a. | CMOS | ±8 | 6.4 | 15 | 1 | -40 to 125 |
| 74LV1T02 | 2-input single supply translating NOR gate | 1.6 - 5.5 | n.a. | CMOS | ±8 | 6.6 | 15 | 1 | -40 to 125 |
| 74LV1T04 | Single supply translating inverter | 1.6 - 5.5 | n.a. | CMOS | ±8 | 6.2 | 15 | 1 | -40 to 125 |
| 74LV1T08 | 2-input single supply translating AND gate | 1.6 - 5.5 | n.a. | CMOS | ±8 | 6.5 | 15 | 1 | -40 to 125 |
| 74LV1T32 | 2-input single supply translating OR gate | 1.6 - 5.5 | n.a. | CMOS | ±8 | 6.6 | 15 | 1 | -40 to 125 |
| 74LV1T34 | Single supply translating buffer | 1.6 - 5.5 | n.a. | CMOS | ±8 | 6.3 | 15 | 1 | -40 to 125 |
| 74LV1T86 | 2-input single supply translating X-OR gate | 1.6 - 5.5 | n.a. | CMOS | ±8 | 7.3 | 15 | 1 | -40 to 125 |
| 74LV1T87 | 2-input single supply translating X-NOR gate | 1.6 - 5.5 | n.a. | CMOS | ±8 | 7.3 | 15 | 1 | -40 to 125 |
| 74LV1T125 | Single supply translating buffer (3-state) | 1.6 - 5.5 | n.a. | CMOS | ±8 | 6.5 | 15 | 1 | -40 to 125 |
| 74LV1T126 | Single supply translating buffer (3-state) | 1.6 - 5.5 | n.a. | CMOS | ±8 | 6.5 | 15 | 1 | -40 to 125 |
| 74LVC4T3144 | 4-bit dual supply translating buffer; 3-state | 1.2 - 5.5 | 1.2 - 5.5 | CMOS | ±24 | 13.2 | 15 | 4 | -40 to 125 |
| 74LVC8T595 | Dual supply 8-bit serial-in/serial-out or parallel-out shift register (3-state) | 1.1 - 5.5 | 1.1 - 5.5 | CMOS/ LVTTTL | ±24 | 4.1 | 15 | 8 | -40 to 125 |
| HEF4104B | Quad low-to-high voltage translator (3-state) | 3.0 - 15 | 3.0 - 15 | CMOS | ±2.4 | 170 | 50 | 16 | -40 to 85 |
| NXU0101 | 1-bit dual-supply buffer/level translator with Schmitt-trigger | 0.09 - 5.5 | 0.09 - 5.5 | CMOS/LVTTTL | +/-12 | 4.5 | 15 | 1 | -40 to 125 |
| NXU0102 | 2-bit dual-supply buffer/level translator with Schmitt-trigger | 0.09 - 5.5 | 0.09 - 5.5 | CMOS/LVTTTL | +/-12 | 4.5 | 15 | 2 | -40 to 125 |
| NXU0202 | 2-bit dual-supply buffer/level translator with Schmitt-trigger | 0.09 - 5.5 | 0.09 - 5.5 | CMOS/LVTTTL | +/-12 | 4.5 | 15 | 2 | -40 to 125 |
| NXU1014 | 4-bit dual-supply voltage level translating buffer with Schmitt-trigger | 0.09 - 5.5 | 0.09 - 5.5 | CMOS/LVTTTL | +/-12 | 4.5 | 15 | 4 | -40 to 125 |
| NXU0204 | 4-bit dual-supply voltage level translating buffer with Schmitt-trigger | 0.09 - 5.5 | 0.09 - 5.5 | CMOS/LVTTTL | +/-12 | 4.5 | 15 | 4 | -40 to 125 |
| NXU0304 | 4-bit dual-supply voltage level translating buffer with Schmitt-trigger | 0.09 - 5.5 | 0.09 - 5.5 | CMOS/LVTTTL | +/-12 | 4.5 | 15 | 4 | -40 to 125 |

Direction controlled

| Type number | Description | V _{CC(A)} (V) | V _{CC(B)} (V) | Logic switching levels | Output drive capability (mA) | t _{pd} (ns) | Output Load C _L (pF) | Number of bits | T _{amb} (°C) |
|--------------|--|---------------------------|---------------------------|------------------------------|------------------------------------|-------------------------|---------------------------------------|-------------------|-----------------------|
| 74ALVC164245 | 16-bit dual-supply voltage-translating transceiver (3-state) | 1.5 - 5.5 | 1.5 - 3.6 | CMOS/ LVTTTL | ±24 | 2.9 | 50 | 16 | -40 to 85 |
| 74AVC1T45 | Single dual-supply voltage-translating transceiver (3-state) | 0.8 - 3.6 | 0.8 - 3.6 | CMOS/ LVTTTL | ±12 | 2.1 | 15 | 1 | -40 to 125 |
| 74AVC2T245 | Dual-bit dual-supply voltage-translating transceiver (3-state) | 0.8 - 3.6 | 0.8 - 3.6 | CMOS/ LVTTTL | ±12 | 2.1 | 15 | 2 | -40 to 125 |
| 74AVC2T45 | Dual-bit dual-supply voltage-translating transceiver (3-state) | 0.8 - 3.6 | 0.8 - 3.6 | CMOS/ LVTTTL | ±12 | 2.1 | 15 | 2 | -40 to 125 |
| 74AVC4T245 | 4-bit dual-supply voltage-translating transceiver (3-state) | 0.8 - 3.6 | 0.8 - 3.6 | CMOS/ LVTTTL | ±12 | 2.1 | 15 | 4 | -40 to 125 |
| 74AVC4T774 | 4-bit dual-supply voltage-translating bus transceiver (3-state) | 0.8 - 3.6 | 0.8 - 3.6 | CMOS/ LVTTTL | ±12 | 2.1 | 15 | 4 | -40 to 125 |
| 74AVC4TD245 | 4-bit dual-supply voltage-translating transceiver (3-state) | 0.8 - 3.6 | 0.8 - 3.6 | CMOS/ LVTTTL | ±12 | 2.1 | 15 | 4 | -40 to 125 |
| 74AVC8T245 | 8-bit dual-supply voltage-translating transceiver (3-state) | 0.8 - 3.6 | 0.8 - 3.6 | CMOS/ LVTTTL | ±12 | 2.1 | 15 | 8 | -40 to 125 |
| 74AVC16T245 | 16-bit dual-supply voltage-translating transceiver (3-state) | 0.8 - 3.6 | 0.8 - 3.6 | CMOS/ LVTTTL | ±12 | 2.1 | 15 | 16 | -40 to 125 |
| 74AVC20T245 | 20-bit dual-supply voltage-translating transceiver (3-state) | 0.8 - 3.6 | 0.8 - 3.6 | CMOS/ LVTTTL | ±12 | 2.1 | 15 | 20 | -40 to 125 |
| 74AVCH1T45 | Single dual-supply voltage-translating transceiver with bus hold (3-state) | 0.8 - 3.6 | 0.8 - 3.6 | CMOS/ LVTTTL | ±12 | 2.1 | 15 | 1 | -40 to 125 |
| 74AVCH2T45 | Dual-bit dual-supply voltage-translating transceiver with bus hold (3-state) | 0.8 - 3.6 | 0.8 - 3.6 | CMOS/ LVTTTL | ±12 | 2.1 | 15 | 2 | -40 to 125 |
| 74AVCH4T245 | 4-bit dual-supply voltage-translating transceiver with bus hold (3-state) | 0.8 - 3.6 | 0.8 - 3.6 | CMOS/ LVTTTL | ±12 | 2.1 | 15 | 4 | -40 to 125 |
| 74AVCH8T245 | 8-bit dual-supply voltage-translating transceiver with bus hold (3-state) | 0.8 - 3.6 | 0.8 - 3.6 | CMOS/ LVTTTL | ±12 | 2.1 | 15 | 8 | -40 to 125 |
| 74AVCH16T245 | 16-bit dual-supply voltage-translating transceiver with bus hold (3-state) | 0.8 - 3.6 | 0.8 - 3.6 | CMOS/ LVTTTL | ±12 | 2.1 | 15 | 16 | -40 to 125 |
| 74AVCH20T245 | 20-bit dual-supply voltage-translating transceiver with bus hold (3-state) | 0.8 - 3.6 | 0.8 - 3.6 | CMOS/ LVTTTL | ±12 | 2.1 | 15 | 20 | -40 to 125 |
| AXP1T34 | 1-bit dual supply translating buffer (3-state) | 0.9 - 5.5 | 0.9 - 5.5 | CMOS | ±12 | 9 | 5 | 1 | -40 to 125 |
| 74AXP1T45 | 1-bit dual supply translating transceiver; 3-state | 0.9 - 5.5 | 0.9 - 5.5 | CMOS | ±12 | 9.0 | 5 | 1 | -40 to 125 |
| 74AXP2T45 | 2-bit dual supply translating transceiver; 3-state | 0.9 - 5.5 | 0.9 - 5.5 | CMOS | ±12 | 9.0 | 5 | 2 | -40 to 125 |
| 74AXP4T245 | 4-bit dual supply translating transceiver; 3-state | 0.9 - 5.5 | 0.9 - 5.5 | CMOS | ±12 | 9.0 | 5 | 4 | -40 to 125 |
| 74AXP8T245 | 8-bit dual supply translating transceiver; 3-state | 0.9 - 5.5 | 0.9 - 5.5 | CMOS | ±12 | 9.0 | 5 | 8 | -40 to 125 |
| 74LVC1T45 | Single dual-supply voltage-translating transceiver (3-state) | 1.2 - 5.5 | 1.2 - 5.5 | CMOS/ LVTTTL | ±24 | 2.5 | 50 | 1 | -40 to 125 |
| 74LVC2T45 | Dual-bit dual-supply voltage-translating transceiver (3-state) | 1.2 - 5.5 | 1.2 - 5.5 | CMOS/ LVTTTL | ±24 | 2.5 | 50 | 2 | -40 to 125 |
| 74LVC4245A | 8-bit dual-supply voltage-translating transceiver (3-state) | 1.5 - 5.5 | 1.5 - 3.6 | CMOS/ LVTTTL | ±24 | 3.5 | 50 | 8 | -40 to 125 |
| 74LVC8T245 | 8-bit dual-supply voltage-translating transceiver (3-state) | 1.2 - 5.5 | 1.2 - 5.5 | CMOS/ LVTTTL | ±24 | 3.5 | 50 | 8 | -40 to 125 |
| 74LVCH1T45 | Single dual-supply voltage-translating transceiver with bus hold (3-state) | 1.2 - 5.5 | 1.2 - 5.5 | CMOS/ LVTTTL | ±24 | 2.5 | 50 | 1 | -40 to 125 |
| 74LVCH2T45 | Dual-bit dual-supply voltage-translating transceiver with bus hold (3-state) | 1.2 - 5.5 | 1.2 - 5.5 | CMOS/ LVTTTL | ±24 | 2.5 | 50 | 2 | -40 to 125 |
| 74LVCH8T245 | 8-bit dual-supply voltage-translating transceiver with bus hold (3-state) | 1.2 - 5.5 | 1.2 - 5.5 | CMOS/ LVTTTL | ±24 | 3.5 | 50 | 8 | -40 to 125 |

Voltage translators (level-shifters)

Auto direction (Autosense)

| Type number | Description | V _{CC(A)} (V) | V _{CC(B)} (V) | Logic switching levels | Output drive capability (mA) | t _{pd} (ns) | Output Load C _L (pF) | Number of bits | T _{amb} (°C) |
|-------------|---|------------------------|------------------------|------------------------|------------------------------|----------------------|---------------------------------|----------------|-----------------------|
| LSF0101 | 1-bit bidirectional multi-voltage level translator; open-drain; push-pull | 0.95 - 5.0 | 0.95 - 5.0 | CMOS | +64 | 0.7 | 30 | 1 | -40 to 125 |
| LSF0102 | 2-bit bidirectional multi-voltage level translator; open-drain; push-pull | 0.95 - 5.0 | 0.95 - 5.0 | CMOS | +64 | 0.7 | 30 | 2 | -40 to 125 |
| LSF0202 | 2-bit bidirectional multi-voltage level translator; open-drain; push-pull | 0.95 - 5.0 | 0.95 - 5.0 | CMOS | + 64 | 0.7 | 30 | 2 | -40 to 125 |
| LSF0204 | 4-bit bidirectional multi-voltage level translator; open-drain; push-pull | 0.95 - 5.0 | 0.95 - 5.0 | CMOS | +64 | 0.6 | 30 | 4 | -40 to 125 |
| LSF0108 | 8-bit bidirectional multi-voltage level translator; open-drain; push-pull | 0.95 - 5.0 | 0.95 - 5.0 | CMOS | +64 | 1.4 | 30 | 8 | -40 to 125 |
| NCA9306 | 2-bit bidirectional multi-voltage level translator; open-drain; push-pull | 0.95 - 5.0 | 0.95 - 5.0 | CMOS | +64 | 0.4 | 30 | 2 | -40 to 125 |
| NCA9700 | Level translating Fm+ I ² C bus repeater/accelerator | 1.08 - 3.6 | 1.08 - 3.6 | CMOS | +/- 0.02 | 14 | 160 | 2 | -40 to 85 |
| NCA9701A | Level translating Fm+ I ² C bus repeater/accelerator | 1.08 - 3.6 | 1.08 - 3.6 | CMOS | +/- 0.02 | 14 | 160 | 2 | -40 to 85 |
| NXB0101 | 1-bit Dual supply translating transceiver; auto direction sensing (3-state) | 1.2 - 3.6 | 1.65 - 5.5 | CMOS | ± 0.02 | 5.5 | 15 | 1 | -40 to 125 |
| NXB0102 | 2-bit Dual supply translating transceiver; auto direction sensing (3-state) | 1.2 - 3.6 | 1.65 - 5.5 | CMOS | ± 0.02 | 5.5 | 15 | 2 | -40 to 125 |
| NXB0104 | 4-bit Dual supply translating transceiver; auto direction sensing (3-state) | 1.2 - 3.6 | 1.65 - 5.5 | CMOS | ± 0.02 | 5.5 | 15 | 4 | -40 to 125 |
| NXB0106 | 6-bit Dual supply translating transceiver; auto direction sensing (3-state) | 1.2 - 3.6 | 1.65 - 5.5 | CMOS | ± 0.02 | 5.5 | 15 | 6 | -40 to 125 |
| NXB0108 | 8-bit Dual supply translating transceiver; auto direction sensing (3-state) | 1.2 - 3.6 | 1.65 - 5.5 | CMOS | ± 0.02 | 5.5 | 15 | 8 | -40 to 125 |
| NXS0101 | 1-bit Dual supply translating transceiver; open drain; auto direction sensing | 1.65 - 3.6 | 2.3 - 5.5 | CMOS | - 0.02 / 1.0 | 4.7 | 15 | 1 | -40 to 125 |
| NXS0102 | 2-bit Dual supply translating transceiver; open drain; auto direction sensing | 1.65 - 3.6 | 2.3 - 5.5 | CMOS | - 0.02 / 1.0 | 5.2 | 15 | 2 | -40 to 125 |
| NXS0104 | 4-bit Dual supply translating transceiver; open drain; auto direction sensing | 1.65 - 3.6 | 2.3 - 5.5 | CMOS | - 0.02 / 1.0 | 6 | 15 | 4 | -40 to 125 |
| NXS0108 | 8-bit Dual supply translating transceiver; open drain; auto direction sensing | 1.65 - 3.6 | 2.3 - 5.5 | CMOS | - 0.02 / 1.0 | 6.3 | 15 | 8 | -40 to 125 |

Application specific

| Type number | Description | V _{CC(A)} (V) | V _{CC(B)} (V) | Logic switching levels | Output drive capability (mA) | t _{pd} (ns) | Output Load C _L (pF) | Number of bits | T _{amb} (°C) |
|-------------|---|------------------------|------------------------|------------------------|------------------------------|----------------------|---------------------------------|----------------|-----------------------|
| NXS0506 | SD 3.0-compatible memory card integrated auto-direction control and level translator with EMI filter and ESD protection | 1.1 - 1.95 | 1.7 - 3.6 | CMOS | ± 2 | 2.6 | 15 | 6 | -40 to 85 |
| NXT4556 | SIM card interface level translator without enable pin | 1.08 - 1.98 | 1.62 - 3.3 | CMOS | ± 1 | 20 | 50 | 3 | -40 to 85 |
| NXT4556A | SIM card interface level translator without enable pin | 1.08 - 1.98 | 1.62 - 3.3 | CMOS | ± 1 | 20 | 50 | 3 | -40 to 85 |
| NXT4557 | SIM card interface level translator with enable pin | 1.08 - 1.98 | 1.62 - 3.3 | CMOS | ± 1 | 20 | 50 | 3 | -40 to 85 |
| NXT4558 | SIM card interface level translator with enable pin | 1.08 - 1.98 | 1.62 - 3.3 | CMOS | ± 1 | 20 | 50 | 3 | -40 to 85 |
| NXT4559 | SIM card interface level translator with enable pin | 1.08 - 1.98 | 1.62 - 3.3 | CMOS | ± 1 | 20 | 50 | 3 | -40 to 85 |

Analog switches

| Type number | Description | V _{CC} (V) | Logic switching levels | R _{ON} (Ω) | R _{ON(FLAT)} (Ω) | f _(-3dB) (MHz) | T _{HD} (%) | X _{talk} (dB) | T _{amb} (°C) |
|-------------|--|---------------------|------------------------|---------------------|---------------------------|---------------------------|---------------------|------------------------|-----------------------|
| 74AHC1G66 | Single-pole, single-throw analog switch | 2.0 - 5.5 | CMOS | 40 | 14 | 280 | 0.015 | | -40 to 125 |
| 74AHC1G66 | Single-pole, single-throw analog switch; TTL-enabled | 4.5 - 5.5 | TTL | 40 | 14 | 280 | 0.015 | | -40 to 125 |
| 74HC1G66 | Single-pole, single-throw analog switch | 2.0 - 9.0 | CMOS | 105 | 23 | 200 | 0.02 | | -40 to 125 |
| 74HC2G66 | Dual single-pole, single-throw analog switch | 2.0 - 9.0 | CMOS | 105 | 23 | 200 | 0.02 | -60 | -40 to 125 |
| 74HC4051 | Single-pole, octal-throw analog switch | 2.0 - 10 | CMOS | 200 | 20 | 180 | 0.02 | | -40 to 125 |
| 74HC4052 | Dual single-pole, quad-throw analog switch | 2.0 - 10 | CMOS | 200 | 20 | 180 | 0.02 | -60 | -40 to 125 |
| 74HC4053 | Triple single-pole, double-throw analog switch | 2.0 - 10 | CMOS | 200 | 20 | 170 | 0.02 | -60 | -40 to 125 |
| 74HC4066 | Quad single-pole, single-throw analog switch | 2.0 - 10 | CMOS | 105 | 23 | 200 | 0.02 | -60 | -40 to 125 |
| 74HC4067 | Single-pole, 16-throw analog switch | 2.0 - 10 | CMOS | 200 | 25 | 100 | 0.02 | | -40 to 125 |
| 74HC4316 | Quad single-pole, single-throw analog switch with translation | 2.0 - 10 | CMOS | 300 | 80 | 160 | 0.4 | -60 | -40 to 125 |
| 74HC4351 | Single-pole, octal-throw analog switch with latch | 2.0 - 10 | CMOS | 200 | 20 | 180 | 0.02 | | -40 to 125 |
| 74HC4851 | Single-pole, octal-throw analog switch | 2.0 - 10 | CMOS | 220 | | | | | -40 to 125 |
| 74HC4852 | Dual single-pole, quad-throw analog switch; TTL-enabled | 2.0 - 10 | CMOS | 220 | | | | | -40 to 125 |
| 74HCT1G66 | Single-pole, single-throw analog switch; TTL-enabled | 4.5 - 5.5 | TTL | 118 | 23 | 180 | 0.04 | | -40 to 125 |
| 74HCT2G66 | Dual single-pole, single-throw analog switch; TTL-enabled | 4.5 - 5.5 | TTL | 118 | 23 | 180 | 0.04 | -60 | -40 to 125 |
| 74HCT4051 | Single-pole, octal-throw analog switch; TTL-enabled | 4.5 - 5.5 | TTL | 225 | 20 | 170 | 0.04 | | -40 to 125 |
| 74HCT4052 | Dual single-pole, quad-throw analog switch; TTL-enabled | 4.5 - 5.5 | TTL | 225 | 20 | 170 | 0.04 | -60 | -40 to 125 |
| 74HCT4053 | Triple single-pole, double-throw analog switch; TTL-enabled | 4.5 - 5.5 | TTL | 225 | 20 | 160 | 0.04 | | -40 to 125 |
| 74HCT4066 | Quad single-pole, single-throw analog switch; TTL-enabled | 4.5 - 5.5 | TTL | 118 | 23 | 180 | 0.04 | -60 | -40 to 125 |
| 74HCT4067 | Single-pole, 16-throw analog switch; TTL-enabled | 4.5 - 5.5 | TTL | 225 | 25 | 90 | 0.04 | | -40 to 125 |
| 74HCT4316 | Quad single-pole, single-throw analog switch with translation; TTL-enabled | 4.5 - 5.5 | TTL | 400 | 50 | 150 | 0.8 | -60 | -40 to 125 |
| 74HCT4351 | Single-pole, octal-throw analog switch with latch; TTL-enabled | 4.5 - 5.5 | TTL | 225 | 20 | 170 | 0.04 | | -40 to 125 |
| 74HCT4851 | Single-pole, octal-throw analog switch; TTL-enabled | 4.5 - 5.5 | TTL | 240 | | | | | -40 to 125 |
| 74HCT4852 | Dual single-pole, quad-throw analog switch; TTL-enabled | 4.5 - 5.5 | TTL | 240 | | | | | -40 to 125 |
| 74LV4051 | Single-pole, octal-throw analog switch | 1.0 - 6.0 | TTL | 135 | 35 | 200 | 0.4 | -60 | -40 to 125 |
| 74LV4052 | Dual single-pole, quad-throw analog switch | 1.0 - 6.0 | TTL | 125 | 15 | 180 | 0.4 | -60 | -40 to 125 |
| 74LV4053 | Triple single-pole, double-throw analog switch | 1.0 - 6.0 | TTL | 150 | 30 | 180 | 0.4 | -60 | -40 to 125 |
| 74LV4066 | Quad single-pole, single-throw analog switch | 1.0 - 6.0 | TTL | 50 | 3.0 | 180 | 0.02 | -60 | -40 to 125 |
| 74LVC1G3157 | Single-pole, double-throw analog switch | 1.65 - 5.5 | CMOS/LVTTL | 15 | 1.5 | 300 | 0.078 | | -40 to 125 |
| 74LVC1G384 | Single-pole, single-throw analog switch | 1.65 - 5.5 | CMOS/LVTTL | 15 | 1.5 | 440 | 0.001 | | -40 to 125 |
| 74LVC1G53 | Single-pole, double-throw analog switch | 1.65 - 5.5 | CMOS/LVTTL | 15 | 1.5 | 300 | 0.078 | | -40 to 125 |
| 74LVC1G66 | Single-pole, single-throw analog switch | 1.65 - 5.5 | CMOS/LVTTL | 15 | 1.5 | 440 | 0.001 | | -40 to 125 |
| 74LVC2G3157 | Dual single-pole, double-throw analog switch | 1.65 - 5.5 | CMOS/LVTTL | 15 | 1.5 | 300 | 0.078 | -54 | -40 to 125 |
| 74LVC2G53 | Single-pole, double-throw analog switch | 1.65 - 5.5 | CMOS/LVTTL | 15 | 1.5 | 300 | 0.078 | | -40 to 125 |
| 74LVC2G66 | Dual single-pole, single-throw analog switch | 1.65 - 5.5 | CMOS/LVTTL | 15 | 1.5 | 440 | 0.005 | -56 | -40 to 125 |
| 74LVC4066 | Quad single-pole, single-throw analog switch | 1.65 - 5.5 | CMOS/LVTTL | 15 | 1.5 | 440 | 0.005 | -58 | -40 to 125 |
| 74LVCV2G66 | Dual single-pole, single-throw analog switch; overvoltage tolerant | 2.3 - 5.5 | CMOS/LVTTL | 15 | 3.0 | 210 | 0.01 | -55 | -40 to 125 |
| HEF4016B | Quad single-pole, single-throw analog switch | 3.0 - 15 | CMOS | 350 | 65 | 90 | 0.04 | -50 | -40 to 85 |
| HEF4051B | Single-pole, octal-throw analog switch | 3.0 - 15 | CMOS | 175 | 30 | 70 | 0.04 | -50 | -40 to 85 |
| HEF4052B | Dual single-pole, quad-throw analog switch | 3.0 - 15 | CMOS | 175 | 30 | 70 | 0.04 | -50 | -40 to 85 |
| HEF4053B | Triple single-pole, double-throw analog switch | 3.0 - 15 | CMOS | 175 | 30 | 70 | 0.04 | -50 | -40 to 85 |
| HEF4066B | Quad single-pole, single-throw analog switch | 3.0 - 15 | CMOS | 175 | 20 | 90 | 0.04 | -50 | -40 to 85 |
| HEF4067B | Single-pole, 16-throw analog switch | 3.0 - 15 | CMOS | 175 | 20 | 13 | 0.04 | -50 | -40 to 85 |
| XS3A1T5157 | Low-ohmic single-pole double-throw analog switch | 1.4 - 4.3 | CMOS/LVTTL | 0.5 | 0.2 | 40 | 0.03 | -90 | -40 to 125 |
| XS3A1T3157 | Low-ohmic single-pole double-throw analog switch | 1.4 - 4.3 | CMOS/LVTTL | 0.5 | 0.2 | 40 | 0.03 | -90 | -40 to 125 |
| XS3A2467 | Dual Low-ohmic dual-pole dual-throw Analog Switch | 1.4 - 4.3 | CMOS/LVTTL | 0.5 | 0.2 | 40 | 0.04 | -90 | -40 to 125 |
| XS3A4051 | Low-ohmic single-pole octal-throw Analog Switch | 1.4 - 4.3 | CMOS/LVTTL | 0.5 | 0.2 | 15 | 0.04 | -90 | -40 to 125 |
| XS3A4052 | Low-ohmic dual-pole quad-throw Analog Switch | 1.4 - 4.3 | CMOS/LVTTL | 0.5 | 0.13 | 25 | 0.04 | -90 | -40 to 125 |
| XS3A4053 | Triple Low-ohmic single-pole dual-throw Analog Switch | 1.4 - 4.3 | CMOS/LVTTL | 0.5 | 0.13 | 40 | 0.04 | -90 | -40 to 125 |
| XSSA1T4157 | Single-pole double-throw analog switch | 4.5 - 5.5 | CMOS/LVTTL | 4 | 0.9 | 190 | - | -76 | -40 to 125 |
| NMUX1237 | Single-pole double-throw analog switch; overshoot control | 1.08 - 5.5 | CMOS | 4 | 1 | 196 | - | -77 | -40 to 125 |
| NMUX1308 | Single-pole octal-throw analog switch; injection current control | 1.5 - 5.5 | CMOS | 60 | - | 325 | - | -105 | -40 to 125 |
| NMUX1309 | Dual single-pole quad-throw analog switch; injection current control | 1.5 - 5.5 | CMOS | 60 | - | 380 | - | -105 | -40 to 125 |

Bus switches

| Type number | Description | V _{CC} (V) | V _{PASS} (V) | Logic switching levels | R _{ON} (Ω) | f _(-3dB) (MHz) | Number of bits | t _{pd} (ns) | T _{amb} (°C) |
|--------------|------------------------------------|---------------------|-----------------------|------------------------|---------------------|---------------------------|----------------|----------------------|-----------------------|
| 74CBTLV1G125 | Single bus switch | 2.3 - 3.6 | 3.3 | CMOS/LVTTL | 7 | 400 | 1 | 0.2 | -40 to 125 |
| 74CBTLV3125 | Quad bus switch | 2.3 - 3.6 | 3.3 | CMOS/LVTTL | 7 | 400 | 4 | 0.2 | -40 to 125 |
| 74CBTLV3126 | Quad bus switch | 2.3 - 3.6 | 3.3 | CMOS/LVTTL | 7 | 400 | 4 | 0.2 | -40 to 125 |
| 74CBTLV3244 | Octal bus switch | 2.3 - 3.6 | 3.3 | CMOS/LVTTL | 7 | 400 | 8 | 0.2 | -40 to 125 |
| 74CBTLV3245 | Octal bus switch | 2.3 - 3.6 | 3.3 | CMOS/LVTTL | 7 | 400 | 8 | 0.2 | -40 to 125 |
| 74CBTLV3306 | 2-bit bus switch | 2.3 - 3.6 | 5.0 | CMOS/LVTTL | 7 | 400 | 2 | 0.2 | -40 to 125 |
| 74CBTLV3384 | 10-bit bus switch | 2.3 - 3.6 | 3.3 | CMOS/LVTTL | 7 | 400 | 10 | 0.2 | -40 to 125 |
| 74CBTLV3861 | 10-bit bus switch | 2.3 - 3.6 | 3.3 | CMOS/LVTTL | 7 | 400 | 10 | 0.2 | -40 to 125 |
| 74CBTLVD3244 | Octal bus switch level translator | 3.0 - 3.6 | 1.8 | CMOS/LVTTL | 7 | 400 | 8 | 0.2 | -40 to 125 |
| 74CBTLVD3245 | Octal bus switch level translator | 3.0 - 3.6 | 1.8 | CMOS/LVTTL | 7 | 400 | 8 | 0.2 | -40 to 125 |
| 74CBTLVD3384 | 10-bit bus switch level translator | 3.0 - 3.6 | 1.8 | CMOS/LVTTL | 7 | 400 | 10 | 0.2 | -40 to 125 |
| 74CBTLVD3861 | 10-bit bus switch level translator | 3.0 - 3.6 | 1.8 | CMOS/LVTTL | 7 | 400 | 10 | 0.2 | -40 to 125 |
| CBT3306 | Dual bus switch | 4.5 - 5.5 | 3.9 | TTL | 7 | 300 | 2 | 0.25 | -40 to 85 |
| CBT3384 | 10-bit bus switch | 4.5 - 5.5 | 3.9 | TTL | 7 | 300 | 10 | 0.25 | -40 to 85 |
| CBTD3306 | Dual bus switch level translator | 4.5 - 5.5 | 3.3 | TTL | 7 | 300 | 2 | 0.25 | -40 to 85 |
| CBTD3384 | 10-bit bus switch level translator | 4.5 - 5.5 | 3.3 | TTL | 7 | 300 | 10 | 0.25 | -40 to 85 |

Multiplexer / Demultiplexer

| Type number | Description | V _{CC} (V) | V _{PASS} (V) | Logic switching levels | R _{ON} (Ω) | f _(-3dB) (MHz) | Number of bits | t _{pd} (ns) | T _{amb} (°C) |
|-------------|--|---------------------|-----------------------|------------------------|---------------------|---------------------------|----------------|----------------------|-----------------------|
| 74CB3Q3253 | Dual 1-of-4 FET multiplexer/demultiplexer with charge pump | 2.3 - 3.6 | VCC | CMOS/LVTTL | 4 | 500 | 2 | 0.2 | -40 to 85 |
| 74CB3Q3257 | Quad 1-of-2 FET multiplexer/demultiplexer with charge pump | 2.3 - 3.6 | VCC | CMOS/LVTTL | 4 | 500 | 4 | 0.2 | -40 to 85 |
| 74CBTLV3253 | Dual 4:1 mux/demux | 2.3 - 3.6 | 3.3 | CMOS/LVTTL | 7 | 400 | 2 | 0.2 | -40 to 125 |
| 74CBTLV3257 | Quad 2:1 mux/demux | 2.3 - 3.6 | 3.3 | CMOS/LVTTL | 7 | 400 | 4 | 0.2 | -40 to 125 |
| CBT3251 | 8:1 mux/demux | 4.5 - 5.5 | 3.9 | TTL | 7 | 300 | 8 | 0.25 | -40 to 85 |
| CBT3253A | Dual 4:1 mux/demux | 4.5 - 5.5 | 3.9 | TTL | 7 | 300 | 2 | 0.25 | -40 to 85 |
| CBT3257A | Quad 2:1 mux/demux | 4.5 - 5.5 | 3.9 | TTL | 7 | 300 | 4 | 0.25 | -40 to 85 |

I²C General Purpose I/O (GPIO)

| Type number | Description | V _{cc} (A) (V) | V _{cc} (B) (V) | Logic switching levels | Power dissipation considerations | Output drive capability (mA) | Number of bits | T _{amb} (°C) |
|-------------|--|-------------------------|-------------------------|------------------------|----------------------------------|------------------------------|----------------|-----------------------|
| NCA9535 | Low-voltage 16-Bit I ² C and SMBus low-power I/O expander with interrupt output and configuration registers | 1.65 - 5.5 | n.a. | CMOS | low | - 10 / 25 | 16 | -40 to 85 |
| NCA9539 | Low-voltage 16-Bit I ² C and SMBus low-power I/O expander with interrupt output, reset pin and configuration registers | 1.65 - 5.5 | n.a. | CMOS | low | - 10 / 25 | 16 | -40 to 85 |
| NCA9555 | Low-voltage 16-bit I ² C and SMBus I/O expander with interrupt output and configuration registers | 1.65 - 5.5 | n.a. | CMOS | low | - 10 / 25 | 16 | -40 to 85 |
| NCA9595 | Low voltage 16-Bit I ² C and SMBus I/O expander with interrupt output, configuration registers and programmable pull-up resistors | 1.65 - 5.5 | n.a. | CMOS | low | - 10 / 25 | 16 | -40 to 85 |
| PCA9535 | Low-voltage 16-bit I ² C and SMBus low-power I/O expander with interrupt output and configuration registers | 2.3 - 5.5 | n.a. | CMOS | low | - 10 / 25 | 16 | -40 to 85 |
| PCA9539 | Low-voltage 16-bit I ² C and SMBus low-power I/O expander with interrupt output, reset pin and configuration registers | 2.3 - 5.5 | n.a. | CMOS | low | - 10 / 25 | 16 | -40 to 85 |
| PCA9555 | Low-voltage 16-bit I ² C and SMBus I/O expander with interrupt output and configuration registers | 2.3 - 5.5 | n.a. | CMOS | low | - 10 / 25 | 16 | -40 to 85 |

Transformer drivers

| Type number | Description | Features | | | | | | | | | | | | | | Package (suffix) | | | | | |
|------------------------|--|---------------------------|---------------------------|----------------------------|------------|--------------------------|------------|-----------------------------|-------------------|--------------------------|------------------|------------------|-----------------------|------------------------|-----------------------------------|-----------------------------------|--------------|-----------|---------------------------------|-------------------|--------------|
| | | Minimum Input Voltage (V) | Maximum Input Voltage (V) | Maximum Output Current (A) | Enable Pin | Short-Circuit Protection | Soft-Start | Break-Before-Make Circuitry | Slew-Rate Control | Spread-Spectrum Clocking | Thermal Shutdown | Fail-Safe Inputs | Under-Voltage Lockout | External Clock Support | Minimum Switching Frequency (kHz) | Maximum Switching Frequency (kHz) | Package Type | Pin Count | Package Area (mm ²) | Package Size (mm) | Package Code |
| NXF6505ADA-Q100 | Low-noise 1.2 A transformer driver for isolated power supplies | 2.25 | 5.5 | 1.2 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 139 | 209 | TSOT23-6 | 6 | 8.12 | 2.9 x 2.8 | SOT8061-1 |
| NXF6505BDA-Q100 | Low-noise 1.2 A transformer driver for isolated power supplies | 2.25 | 5.5 | 1.2 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 374 | 511 | TSOT23-6 | 6 | 8.12 | 2.9 x 2.8 | SOT8061-1 |
| NXF6501DC-Q100 | Low-noise 1.2 A transformer driver for isolated power supplies | 2.25 | 5.5 | 1.2 | N | Y | Y | Y | Y | Y | Y | Y | Y | N | 300 | 620 | TSOT23-5 | 5 | 8.12 | 2.9 x 2.8 | SOT8098-1 |

IC's - Battery booster

| Type number | Description | Features | | | | | | | | Package (suffix) |
|---------------|---|----------------------|------------------------------|----------------------|----------------------------------|-------------------|-----------------------|-----------------|-----------------------|------------------|
| | | V _{VBT} (V) | I _o ACT mode (mA) | I _{CH} (mA) | I _o standby mode (nA) | Include interface | Capacitor Balance pin | Auto Start mode | T _{amb} (°C) | SOT763-1 (BQ) |
| NBM5100A | Lithium primary battery life booster with adaptive power optimization | 2.4 - 3.6 | 150 | 2 / 16 | 50 | I ² C | Y | Y | -40~85 | • |
| NBM5100B | Lithium primary battery life booster with adaptive power optimization | 2.4 - 3.6 | 150 | 2 / 16 | 50 | SPI | Y | N | -40~85 | • |
| NBM7100A | Lithium primary battery life booster with adaptive power optimization | 2.4 - 3.6 | 200 | 2 / 16 | 50 | I ² C | N | Y | -40~85 | • |
| NBM7100B | Lithium primary battery life booster with adaptive power optimization | 2.4 - 3.6 | 200 | 2 / 16 | 50 | SPI | N | N | -40~85 | • |
| NBM7100A-Q100 | Lithium primary battery life booster with adaptive power optimization | 2.4 - 3.6 | 200 | 2 / 16 | 50 | I ² C | N | Y | -40~85 | • |
| NBM7100B-Q100 | Lithium primary battery life booster with adaptive power optimization | 2.4 - 3.6 | 200 | 2/16 | 50 | I ² C | N | N | -40~85 | • |

Power management IC's - Energy harvesting

| Type number | Description | Features | | | | | | | | Package (suffix) |
|-------------|--|---------------------------|---------------------|---|--|---|-----------------------|-----------------------|----------------|------------------|
| | | V _{BAT(min)} (V) | V _{IN} (V) | I _{STBY(min)} / I _{STBY (max)} (nA) | P _{IN(min)} / P _{IN(max)} (mW) | F _{CONV(min)} / F _{CONV(max)} (MHz) | t _{MPPT} (s) | T _{amb} (°C) | | |
| NEH2000BY | Energy harvesting PMIC | 2.5 | 1.65 | 625/1150 | 0.035 / 2 | 0.05 / 1.8 | 0.7 | -40~85 | SOT8076-1 (BY) | |
| NEH7100BU | Energy harvesting PMIC with battery protection, LDO, USB charging and I ₂ C | 0 | 0.27 | 1500 / 5000 | 0.015 / 50 | 0.03 / 1.1 | 0.5 | -40~85 | SOT8080-1 | |
| NEH7110BU | Energy harvesting PMIC with battery protection, LDO and USB charging | 0 | 0.27 | 1500 / 5000 | 0.015 / 50 | 0.03 / 1.1 | 1 | -40~85 | SOT8080-1 | |

LCD bias

| Type number | Description | Features | | | | | | | | | | Package (suffix) |
|-------------|-----------------------------|-----------------------|---------------------|------------------------|------------------------|-------------------------|-----------------|--------------------------|------------------|----------------------------|---------------|--------------------|
| | | V _{in} range | Pos Output range | Neg Output range | I _q Standby | I _q Shutdown | Output Accuracy | Maximum I _{out} | I ² C | Efficiency | Protection | SOT8076-1 (BY) |
| NEX10000UB | 80mA dual channel LCD bias | 2.7V-5V | 4V-6V (0.1V Step) | 4V-6V (0.1V Step) | 0.73mA | 0.5uA | 1% | 80mA | Yes | 86% I _{out} =40mA | UVLO/OTSD/OCP | CSP 1.155x1.955-15 |
| NEX10000AUB | 120mA dual channel LCD bias | 2.7V-5V | 4V-6.5V (0.1V Step) | 4V-6.5V (0.1V Step) | 0.73mA | 0.5uA | 1% | 120mA | Yes | 86% I _{out} =40mA | UVLO/OTSD/OCP | CSP 1.155x1.955-15 |
| NEX10001UB | 220mA dual channel LCD bias | 2.7V-5V | 4V-6.5V (0.1V Step) | -4V- -6.5V (0.1V Step) | 0.73mA | 0.5uA | 1% | 220mA | Yes | 85% I _{out} =80mA | UVLO/OTSD/OCP | CSP 1.155x1.955-15 |

Automotive LED Driver

Types in **bold** represent new products

| Type number | Description | Channel | Features | | | | | | | | | |
|-------------------------|--|---------|---------------------|----------------|------------------|-------------------------|-----------|-----------|------------------------|-----------------------------|------------------------------|-----------|
| | | | Input voltage range | Output Current | Function Safety | Output current accuracy | Interface | Data rate | Dropout voltage (typ.) | Protection | Ambient temperature range TA | Package |
| NEX13120PC-Q100 | 12 Channel, 40V, 100mA/CH, Linear LED Driver | 12 | 3.8-36V(Vs) | 100mA/CH | ASIL-B capable | +5% | UART | 2Mbps | 600mV@100mA | LED Open/short/single short | -40C to 125C | HTSSOP-24 |
| NEX13120FPC-Q100 | 12 Channel, 40V, 100mA/CH, Linear LED Driver | 12 | 3.8-36V(Vs) | 100mA/CH | ASIL-B compliant | +5% | UART | 2Mbps | 600mV@100mA | LED Open/short/single short | -40C to 125C | HTSSOP-24 |

Load Switch

| Type number | Description | Features | | | | | | | | | | | | | Package (suffix) | | | |
|--------------|--|---------------------------|---------------------------|------------------------------------|------------------------------|-------------------|-------------------|-------------|-------------------------|-----------------------------|------------------------|--------------------------|--------------------|------------------------|------------------|--------------|-------------------|--------------|
| | | Minimum Input Voltage (V) | Maximum Input Voltage (V) | Absolute Maximum Input Voltage (V) | Typical On-resistance (mohm) | Rated Current (A) | Current Limit (A) | Enable | Over Current Protection | Over temperature protection | Inrush current control | Reverse Voltage Blocking | AEC-Q100 Qualified | Thermal Fault Response | Package Suffix | Package Type | Package Size (mm) | Package Code |
| NPS4053 | 5.5 V, 55 mΩ load switch with precision adjustable current limit | 2.5 | 5.5 | 6 | 55 | 2 | 0.11 - 2.5 | Active High | Y | Y | Y | Y | | Auto-Retry | GV | TSOP6 | 2.9 x 1.5 | SOT457 |
| NPS4053-Q100 | 5.5 V, 55 mΩ, Automotive, load switch with precision adjustable current limit | 2.5 | 5.5 | 6 | 55 | 2 | 0.11 - 2.5 | Active High | Y | Y | Y | Y | Y | Auto-Retry | GV | TSOP6 | 2.9 x 1.5 | SOT457 |
| NPS4053 | 5.5 V, 55 mΩ load switch with precision adjustable current limit | 2.5 | 5.5 | 6 | 55 | 2 | 0.11 - 2.5 | Active High | Y | Y | Y | Y | | Auto-Retry | GH | HWSON6 | 2 x 2 | SOT8044-1 |
| NPS4053-Q100 | 5.5 V, 55 mΩ, Automotive, load switch with precision adjustable current limit | 2.5 | 5.5 | 6 | 55 | 2 | 0.11 - 2.5 | Active High | Y | Y | Y | Y | Y | Auto-Retry | GH | HWSON6 | 2 x 2 | SOT8044-1 |
| NPS4069 | 5.5 V, 55 mΩ load switch with current limitation | 2.5 | 5.5 | 6 | 55 | 1.5 | 1.83 | Active High | Y | Y | Y | Y | | Auto-Retry | GV | TSOP5 | 2.9 x 1.5 | SOT753 |
| NPS4001 | 5.5 V, 55 mΩ load switch with current limitation | 2.5 | 5.5 | 6 | 55 | 2 | 2.37 | Active High | Y | Y | Y | Y | | Auto-Retry | GV | TSOP5 | 2.9 x 1.5 | SOT753 |
| NPS1000 | 0.5 V to 1.0 V, 1.5 A peak, 11 mΩ, load switch | 0.5 | 1 | 1.2 | 11 | 0.6 | NA | Active High | | Y | Y | | | Latch-off | UP | WLCSP8 | 1.42 x 0.72 | SOT8068-1 |
| NPS1001 | 0.5 V to 1.8 V, 1.5 A peak, 11 mΩ, load switch | 0.5 | 1.8 | 2 | 11 | 0.6 | NA | Active High | | Y | Y | | | Latch-off | UP | WLCSP8 | 1.42 x 0.72 | SOT8068-1 |
| NPS3005 | 0.5 V to 5.5V, 15mΩ, load switch with Adjustable Soft Start and quick output discharge | 0.5 | 5.5 | 6 | 15 | 6 | NA | Active High | | Y | Y | | | Auto-Retry | GP | HWSON-8 | 2 x 2 | SOT8067-1 |
| NPS3005-Q100 | 0.5 V to 5.5V, 15mΩ, Automotive, load switch with Adjustable Soft Start and quick output discharge | 0.5 | 5.5 | 6 | 15 | 6 | NA | Active High | | Y | Y | | Y | Auto-Retry | GP | HWSON-8 | 2 x 2 | SOT8067-1 |

eFuses

| Type number | Description | Features | | | | | | | | | | | | | Package (suffix) | | | |
|-------------|----------------------------------|---------------------------|---------------------------|------------------------------------|------------------------------|---------------------------|---------------------------|-------------------------|------------------------------|-------------------|-------------------------|-----------------------------|------------------------|------------------------|------------------|--------------|-------------------|--------------|
| | | Minimum Input Voltage (V) | Maximum Input Voltage (V) | Absolute Maximum Input Voltage (V) | Typical On-resistance (mohm) | Minimum Current Limit (A) | Maximum Current Limit (A) | Over Voltage Protection | Over voltage protection type | Clamp voltage (V) | Over Current Protection | Over temperature protection | Inrush current control | Thermal Fault Response | Package Suffix | Package Type | Package Size (mm) | Package Code |
| NPS3102A | 12 V, 2 A to 13.5 A, 17 mΩ eFuse | 9 | 18 | 21 | 17 | 2 | 13.5 | Fixed | Clamp | 15 | Y | Y | Y | Latch-Off | GB | DFN3030-10 | 3 x 3 | SOT8037-1 |
| NPS3102B | 12 V, 2 A to 13.5 A, 17 mΩ eFuse | 9 | 18 | 21 | 17 | 2 | 13.5 | Fixed | Clamp | 15 | Y | Y | Y | Auto-Retry | GB | DFN3030-10 | 3 x 3 | SOT8037-1 |
| NPS2122A | 12 V, 2 A to 5.5A, 40 mΩ eFuse | 9 | 18 | 21 | 40 | 2 | 5.5 | Fixed | Clamp | 15 | Y | Y | Y | Latch-Off | GB | DFN3030-10 | 3 x 3 | SOT8037-1 |
| NPS2122B | 12 V, 2 A to 5.5A, 40 mΩ eFuse | 9 | 18 | 21 | 40 | 2 | 5.5 | Fixed | Clamp | 15 | Y | Y | Y | Auto-Retry | GB | DFN3030-10 | 3 x 3 | SOT8037-1 |

Ideal Diodes

| Type number | Description | Features | | | | | | | | | | | | | Package (suffix) | | | |
|--------------|---|---------------------------|---------------------------|-----------------------------------|-----------------------|------------------------|--------------|---------------------------|--------------------------|---------------------------|--------------------------|------------------------|--------------------------|-----------------------------|--------------------|------------------|--------------|--------------|
| | | Minimum Input Voltage (V) | Maximum Input Voltage (V) | Typical Forward Voltage Drop (mV) | Shutdown current (μA) | Quiescent current (μA) | Internal FET | Rated Forward Current (A) | Reverse Current Blocking | Input Polarity Protection | Forward Voltage Blocking | Inrush Current Control | Short circuit Protection | Over temperature Protection | AEC-Q100 Qualified | Package (suffix) | Package Type | Package Code |
| NID5100 | 1.2 V to 5.5 V, 1.5 A input polarity protected, low quiescent current ideal diode | 1.2 | 5.5 | 31 | 0.17 | 0.24 | Y | 1.5 | Y | Y | | | | | | GW | TSSOP6 | SOT363-2 |
| NID5100-Q100 | 1.2 V to 5.5 V, Automotive, 1.5 A input polarity protected, low quiescent current ideal diode | 1.2 | 5.5 | 31 | 0.17 | 0.24 | Y | 1.5 | Y | Y | | | | Y | GW | TSSOP6 | SOT363-2 | |
| NID1100 | 1.5 V to 5.5 V, 1 A forward voltage blocking ideal diode | 1.2 | 5.5 | 36 | 0.1 | 0.56 | Y | 1 | Y | | Y | Y | Y | | GV | TSOP5 | SOT753 | |
| NID1101 | 1.5 V to 5.5 V, 1 A forward voltage blocking ideal diode | 1.5 | 5.5 | 36 | 0.1 | 0.56 | Y | 1 | Y | | Y | Y | Y | | UP | WLCSP4 | SOT8113 | |
| NID6000-Q100 | Automotive reverse battery protection ideal diode controller | 3.2 | 65 | 20 | 1 | 60 | N | NA | Y | Y | | | | Y | GV | TSOP6 | SOT457 | |

Low Iq buck converter

| Type number | Description | Features | | | | | | Package (suffix) |
|-------------|--|---------------------------|----------------------------|----------------------------|----------------|-----------------------|---------|----------------------------|
| | | V _{in} range (V) | V _{out} range (V) | I _{out} (max) (A) | I _q | F _{sw} (MHz) | Package | Package Size (L x W x H)mm |
| NEX30606UA | 1.8 V to 5.0V, 600 mA, 220 nA quiescent current, step-down converter | 1.8-5 | 0.7 - 3.3 | 0.6 | 220nA | 1.5 | CSP-6 | 1.09 mm x 0.74 mm x 0.35mm |

Wide Vin buck converter

| Type number | Description | Features | | | | | | | | | | Package |
|---------------------|--|---------------|----------------|----------------|----------------|----------------------|------|-------|-----------|------------|---------|-------------------------|
| | | Vin range (V) | Vout range (V) | Iout (max) (A) | Operation Mode | Spread Spectrum (SS) | Iq | Is | Fsw (MHz) | Enable Pin | Package | Size(L x W x H)mm |
| NEX40400ADAZ | 4.5 V to 40 V, 600 mA, synchronous step-down converter | 4.5-40 | 2.5-24 | 0.6 | PFM | Off | 60uA | 0.3uA | 2.1 | Y | TSOP6 | 2.9 mm x 1.6mm x 0.85mm |
| NEX40400BDAZ | 4.5 V to 40 V, 600 mA, synchronous step-down converter | 4.5-40 | 2.5-24 | 0.6 | FPWM | Off | 60uA | 0.3uA | 2.1 | Y | TSOP6 | 2.9 mm x 1.6mm x 0.85mm |
| NEX40400CDAZ | 4.5 V to 40 V, 600 mA, synchronous step-down converter | 4.5-40 | 2.5-24 | 0.6 | FPWM | On | 60uA | 0.3uA | 2.1 | Y | TSOP6 | 2.9 mm x 1.6mm x 0.85mm |
| NEX40400DDAZ | 4.5 V to 40 V, 600 mA, synchronous step-down converter | 4.5-40 | 2.5-24 | 0.6 | PFM | Off | 60uA | 0.3uA | 1.05 | Y | TSOP6 | 2.9 mm x 1.6mm x 0.85mm |
| NEX40400EDAZ | 4.5 V to 40 V, 600 mA, synchronous step-down converter | 4.5-40 | 2.5-24 | 0.6 | FPWM | Off | 60uA | 0.3uA | 1.05 | Y | TSOP6 | 2.9 mm x 1.6mm x 0.85mm |
| NEX40400FDAZ | 4.5 V to 40 V, 600 mA, synchronous step-down converter | 4.5-40 | 2.5-24 | 0.6 | FPWM | On | 60uA | 0.3uA | 1.05 | Y | TSOP6 | 2.9 mm x 1.6mm x 0.85mm |

Half bridge gate driver

Types in **bold** represent new products

| Type number | Description | Features | | | | | | | | | Package (suffix) |
|-----------------------|--|--------------------------|---------------------------------|---------------------------------|--------------------------|----------------------------|-------------------------------|-------------------|-----------------------------|------------------------------|------------------|
| | | Power supply range / VDD | Bootstrap supply voltage (max.) | Driving capability Source/ Sink | Input signal Logic level | Switching frequency (max.) | Rise/ Fall time (1000pF load) | Propagation Delay | Turn ON/ OFF delay matching | Ambient temperature range TA | |
| NGD4300D | 120V, 4A peak, high performance half bridge gate driver | 8-17V | 120V | 5A/4A | TTL/CMOS | 1MHz | 4ns/3.5ns | 13ns | 1ns/1ns | -40 °C to 125 °C | SO-8 |
| NGD4300GC | 120V, 4A peak, high performance half bridge gate driver | 8-17V | 120V | 5A/4A | TTL/CMOS | 1MHz | 4ns/3.5ns | 13ns | 1ns/1ns | -40 °C to 125 °C | HWSON-8 |
| NGD4300DD | 120V, 4A peak, high performance half bridge gate driver | 8-17V | 120V | 5A/4A | TTL/CMOS | 1MHz | 4ns/3.5ns | 13ns | 1ns/1ns | -40 °C to 125 °C | HSO-8 |
| NGD4300DD-Q100 | 120V, 4A peak, automotive high performance half bridge gate driver | 8-17V | 120V | 5A/4A | TTL/CMOS | 1MHz | 4ns/3.5ns | 13ns | 1ns/1ns | -40 °C to 125 °C | HSO-8 |

PWM controller

| Type number | Mode | Max F_{sw} (kHz) | GATE DRIVE High Level (V) | V_{cc} range (V) | Jitter | Standby Power (mW) | Line compensation | Package | Protection |
|-------------|---------------|--------------------|---------------------------|--------------------|--------|--------------------|-------------------|----------|---|
| NEX80601DA | QR/DCM/PFM/BM | 130 | 11.5 | 10-83 | Yes | <75 | Yes, by OPP | TSOT23-6 | Line BNI/BNO, V_{out} OV/UV, VCC OV/UV, SCP, SR short, CS open/short, Int/Ext OTP |
| NEX80611DA | QR/DCM/PFM/BM | 130 | 5.8 | 10-83 | Yes | <75 | Yes, by OPP | TSOT23-6 | Line BNI/BNO, V_{out} OV/UV, VCC OV/UV, SCP, SR short, CS open/short, Int/Ext OTP |
| NEX80602DA | QR/DCM/PFM/BM | 170 | 11.5 | 10-83 | Yes | <75 | Yes, by OPP | TSOT23-6 | Line BNI/BNO, V_{out} OV/UV, VCC OV/UV, SCP, SR short, CS open/short, Int/Ext OTP |
| NEX80605DA | QR/DCM/PFM/BM | 130 | 11.5 | 10-83 | Yes | <75 | Yes, by OCP | TSOT23-6 | Line BNI/BNO, V_{out} OV/UV, VCC OV/UV, SCP, SR short, CS open/short, Int/Ext OTP |
| NEX80801DA | CCM/QR/PFM/BM | 65 | 11.5 | 10-83 | Yes | <75 | Yes, by OPP | TSOT23-6 | Line BNI/BNO, V_{out} OV/UV, VCC OV/UV, SCP, SR short, CS open/short, Int/Ext OTP |
| NEX80805DA | CCM/QR/PFM/BM | 65 | 11.5 | 10-83 | Yes | <75 | Yes, by OCP | TSOT23-6 | Line BNI/BNO, V_{out} OV/UV, VCC OV/UV, SCP, SR short, CS open/short, Int/Ext OTP |
| NEX80806DA | CCM/QR/PFM/BM | 65 | 11.5 | 10-83 | Yes | <75 | Yes, by OCP | TSOT23-6 | Line BNI/BNO, V_{out} OV/UV, VCC OV/UV, SCP, SR short, CS open/short, Int/Ext OTP |
| NEX80808DA | CCM/QR/PFM/BM | 65 | 11.5 | 10-83 | Yes | <75 | Yes, by OPP | TSOT23-6 | Line BNI/BNO, V_{out} OV/UV, VCC OV/UV, SCP, SR short, CS open/short, Int/Ext OTP |
| NEX80809DA | CCM/QR/PFM/BM | 85 | 11.5 | 10-83 | Yes | <75 | Yes, by OPP | TSOT23-6 | Line BNI/BNO, V_{out} OV/UV, VCC OV/UV, SCP, SR short, CS open/short, Int/Ext OTP |

SR controller

| Type number | Description | Features | | | | | | | |
|-------------|--|----------------|----------------|-------------------------|------------------|----------------------|---------------------------|---------------------------|----------|
| | | Operating Mode | BV_{dss} (V) | Maximum Frequency (kHz) | V_{cc} Reg (V) | DRV Sink Current (A) | Minimum Turn-on Time (us) | Turn-off Propagation (ns) | Package |
| NEX81801DA | Adaptive Synchronous Rectifier (SR) Controller | CCM/QR/DCM | 120 | 400 | 6~9 | 4 | 1.0~2.0 | 10 | TSOT23-6 |
| NEX81802DA | Adaptive Synchronous Rectifier (SR) Controller | CCM/QR/DCM | 120 | 800 | 6~9 | 4 | 0.5~1.5 | 10 | TSOT23-6 |

Automotive low Iq LDO

| Type number | Description | Features | | | | | | | | | | | | |
|------------------|---|-----------------------|----------------|----------------|--------------|--------------------------|------------------------|---|--------------|----------|-------------------|------------|------------------------------|---------|
| | | Input voltage range | Output voltage | Output current | I_q (typ.) | Shut-down current (typ.) | Dropout voltage (typ.) | PSRR (dB) $V_r=0.5 V_{pp}$, $f_r=100\text{Hz}$ | Enable (Y/N) | PG (Y/N) | Output cap. (min) | Protection | Ambient temperature range TA | Package |
| NEX90530APA-Q100 | 300mA, 40V low Iq (5uA) low-dropout regulator with PG | 3-40V (45V transient) | 3.3V | 300mA | 5.3uA | 300nA | 560mV@300mA | 60 | Y | Y | 1uF | OTP/OCP | -40C to 125C | HTSSOP |
| NEX90530BPA-Q100 | 300mA, 40V low Iq (5uA) low-dropout regulator with PG | 3-40V (45V transient) | 5V | 300mA | 5.3uA | 300nA | 450mV@300mA | 60 | Y | Y | 1uF | OTP/OCP | -40C to 125C | HTSSOP |
| NEX90230APA-Q100 | 300mA, 40V low Iq (5uA) low-dropout regulator | 3-40V (45V transient) | 3.3V | 300mA | 5.3uA | 300nA | 560mV@300mA | 60 | Y | N | 1uF | OTP/OCP | -40C to 125C | HTSSOP |
| NEX90230BPA-Q100 | 300mA, 40V low Iq (5uA) low-dropout regulator | 3-40V (45V transient) | 5V | 300mA | 5.3uA | 300nA | 450mV@300mA | 60 | Y | N | 1uF | OTP/OCP | -40C to 125C | HTSSOP |
| NEX90515APA-Q100 | 150mA, 40V low Iq (5uA) low-dropout regulator with PG | 3-40V (45V transient) | 3.3V | 150mA | 5.3uA | 300nA | 290mV@150mA | 60 | Y | Y | 1uF | OTP/OCP | -40C to 125C | HTSSOP |
| NEX90515BPA-Q100 | 150mA, 40V low Iq (5uA) low-dropout regulator with PG | 3-40V (45V transient) | 5V | 150mA | 5.3uA | 300nA | 230mV@150mA | 60 | Y | Y | 1uF | OTP/OCP | -40C to 125C | HTSSOP |

Automotive 40V tracking LDO

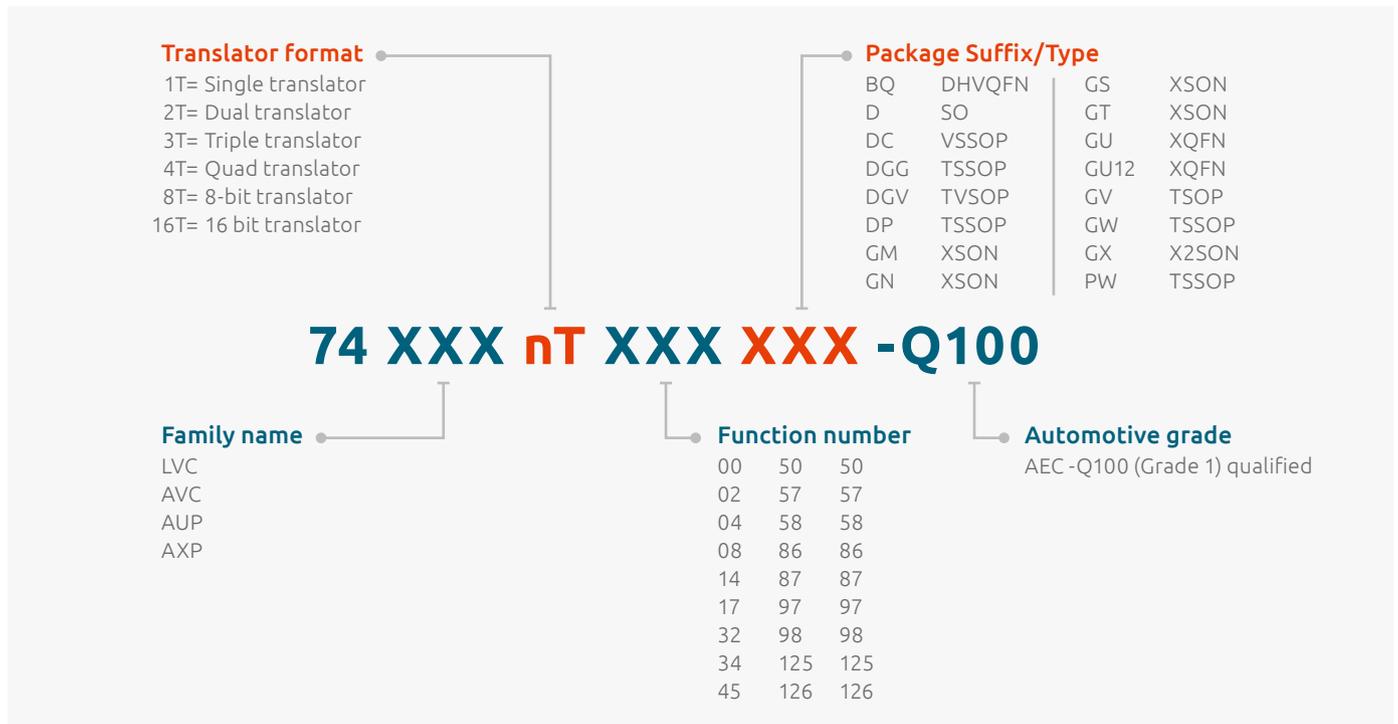
Types in **bold** represent new products

| Type number | Description | Features | | | | | | | | | | | | | |
|-------------------------|------------------------|---------------------------------|----------------|----------------|-----------|--------------------------|------------------------|--------------------------------|--------------|----------|-------------------|--|------------------|------------------------------|----------|
| | | Input voltage range | Output voltage | Output current | Iq (typ.) | Shut-down current (typ.) | Dropout voltage (typ.) | PSRR (dB) Vr=0.5 Vpp, fr=100Hz | Enable (Y/N) | PG (Y/N) | Output cap. (min) | Protection | Active discharge | Ambient temperature range TA | Package |
| NEX-91207DF-Q100 | 70mA, 40V tracking LDO | 3-40V(-42 V to +45 V transient) | 2-40V | 70mA | 40uA | 0.75uA | 215mV@70mA | 90 | Y | N | 1uF | OTP/OCP/Reverse polarity/Reverse current | Y | -40C to 125C | SOT23-5 |
| NEX-91207DE-Q100 | 70mA, 40V tracking LDO | 4-40V(-42 V to +45 V transient) | 2-40V | 70mA | 40uA | 0.75uA | 215mV@70mA | 90 | Y | N | 1uF | OTP/OCP/Reverse polarity/Reverse current | Y | -40C to 125C | SOT23-55 |

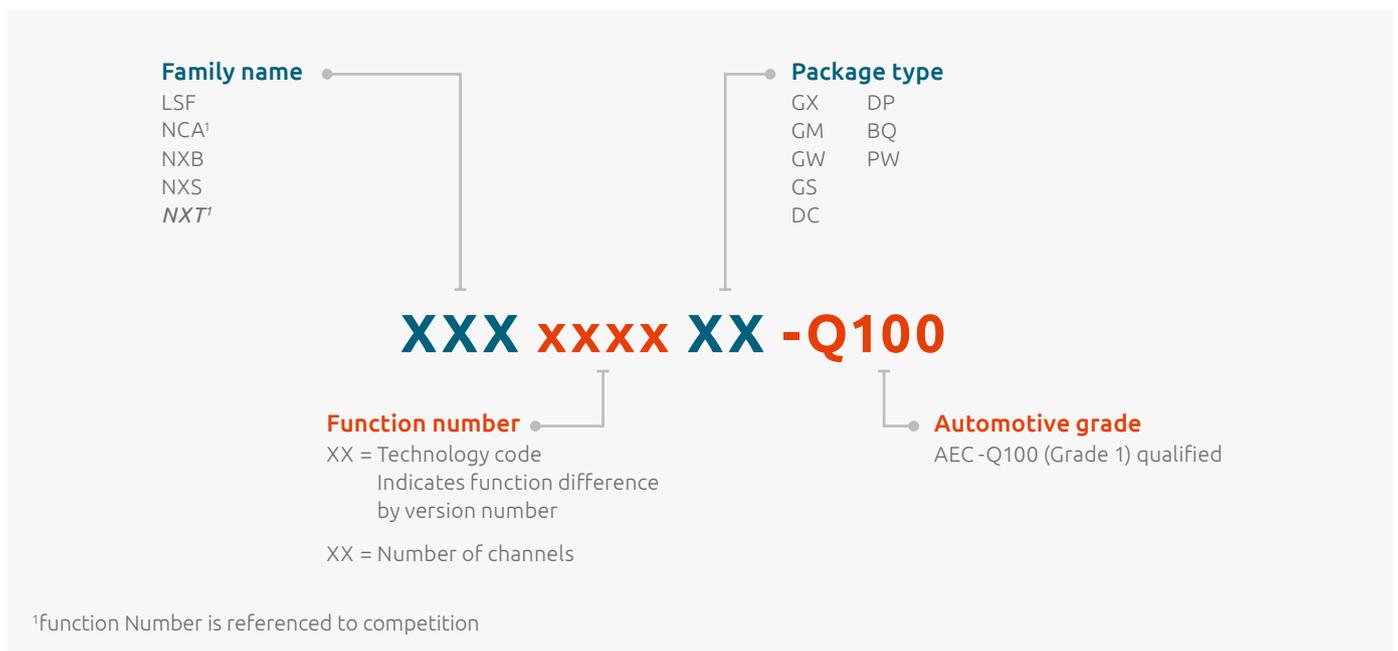
USB PD Controller

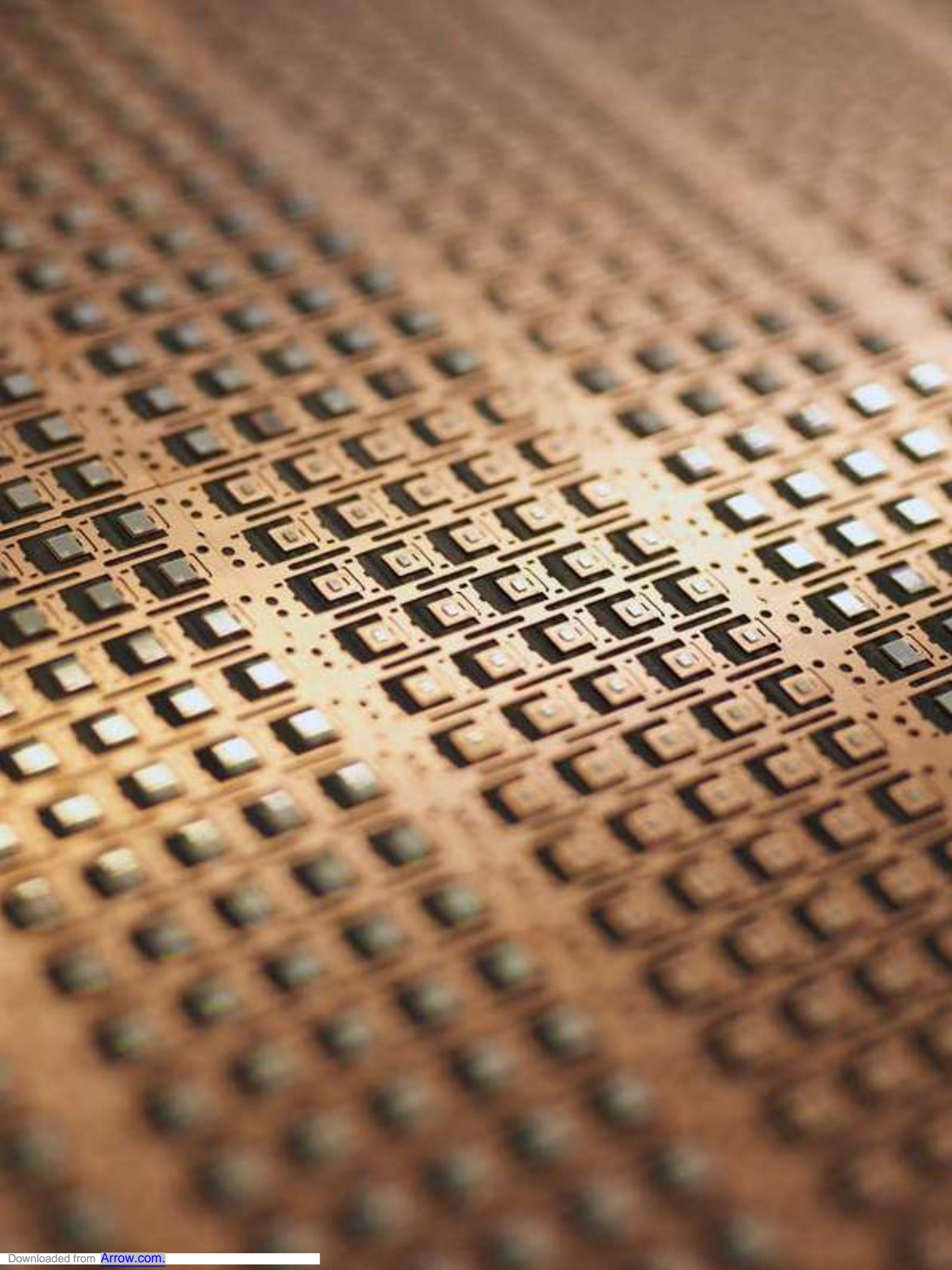
| Type number | Description | Features | | | | | | | | | | | | | | | |
|---------------|--|---------------|-------------|------------|-----|-----|-----|----------|------------|-----------------------------|-------------|-------|-----------|------|--------|---------|---------------------------|
| | | Vin range (V) | Power Level | FPDO range | PPS | EPR | AVS | Function | Power Role | External power path control | VCONN Power | BC1.2 | QC2.0/3.0 | UFCS | Memory | Package | Package Size(L x W x H)mm |
| NEX5204100BYY | Single-Port USB PD Controller for Source Application | 3.15V to 23V | 100W | 5V-20V | Y | N | N | Type-C | Provider | NFET | Y | Y | Y | Y | MTP | QFN-24 | 4mm x 4mm x 0.85mm |
| NEX5204100BVY | Single-Port USB PD Controller for Source Application | 3.15V to 23V | 100W | 5V-20V | Y | N | N | Type-C | Provider | NFET | Y | Y | Y | Y | MTP | QFN-16 | 4mm x 4mm x 0.85mm |
| NEX5208000BYY | Single-Port USB PD Controller for Source Application | 3.15V to 29V | 140W | 5V-28V | Y | Y | Y | Type-C | Provider | NFET | Y | Y | Y | Y | MTP | QFN-24 | 4mm x 4mm x 0.85mm |
| NEX5208000BVY | Single-Port USB PD Controller for Source Application | 3.15V to 29V | 140W | 5V-28V | Y | Y | Y | Type-C | Provider | NFET | Y | Y | Y | Y | MTP | QFN-16 | 4mm x 4mm x 0.85mm |

Translator IC's nomenclature



Translator IC's nomenclature





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Package details and packing methods SMD

| Pins/Terminals | Package | Package body size (l x w x h) (mm) | Package dimensions inc. leads (l x w) (mm) | Package area (mm ²) | Lead pitch (mm) | Package | 800 | 1000 | 1500 | 2000 | 2500 | 3000 | 4000 | 4500 | 5000 | 8000 | 9000 | 10000 | 15000 | 20000 | 30000 | 50000 | | |
|---------------------|-------------------------|------------------------------------|--|---------------------------------|---|---|-----|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-----|-----|
| | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | DFN0603-2 (SOD972E) | 0.33 x 0.63 x 0.25 | 0.33 x 0.63 | 0.21 | 0.4 |  | | | | | | | | | | | | | 317 | | | | | |
| | DSN0603D-2 (SOD962D) | 0.6 x 0.3 x 0.3 | 0.6 x 0.3 | 0.18 | 0.4 |  | | | | | | | | | | | | | 315 | | | | | |
| | DSN0603-2 (SOD962-2) | 0.6 x 0.3 x 0.3 | 0.6 x 0.3 | 0.18 | 0.4 |  | | | | | | | | | | | | | | 315 | | | | |
| | DSN0603-2 (SOD962) | 0.6 x 0.3 x 0.3 | 0.6 x 0.3 | 0.18 | 0.4 |  | | | | | | | | | | | | | | | 315 | | | |
| | DFN1006-2 (SOD882P-1) | 1.02 x 0.62 x 0.45 | 1.02 x 0.62 | 0.632 | 0.6 |  | | | | | | | | | | | | | | | | 515 | | |
| | SC-79 (SOD523) | 1.2 x 0.8 x 0.6 | 1.6 x 0.8 | 1.28 | 1.4 |  | | | | | | | 115 | | | 315 | | | | | 135 | | 335 | |
| | CFP2-HP (SOD323HP) | 1.3 x 2.2 x 0.68 | 2.65 x 1.3 | 3.45 | 1.6 |  | | | | | | | | 115 | | | | | | | | | | |
| | DSN1608-2 (SOD964) | 1.6 x 0.8 x 0.29 | 1.6 x 0.8 | 1.28 | 0.6 |  | | | | | | | | | | | | | | | | 315 | | |
| | DFN1608D-2 (SOD1608) | 1.6 x 0.8 x 0.37 | 1.6 x 0.8 | 1.28 | 0.9 |  | | | | | | | | | | | | | | | | | 315 | |
| | DFN1610-2 (SOD1610-1) | 1.6 x 1 x 0.55 | 1.6 x 1 | 1.6 | 1.1 |  | | | | | | | 515 | | | | | | | | | | | |
| | SC-90 (SOD323F) | 1.7 x 1.25 x 0.7 | 2.5 x 1.25 | 3.125 | 2.2 |  | | | | | | | 115 | | | | | | | | | 135 | | 301 |
| | SOD323 | 1.7 x 1.25 x 0.95 | 2.5 x 1.25 | 0.3125 | 1.3 |  | | | | | | | 115 | | | | | | | | | 135 | | 145 |
| | DSN1006-2 (SOD993) | 1 x 0.6 x 0.27 | 1 x 0.6 | 0.6 | 0.6 |  | | | | | | | | | | | | | | | | 315 | | |
| | DSN1006-2 (SOD993B) | 1 x 0.6 x 0.27 | 1 x 0.6 | 0.6 | 0.6 |  | | | | | | | | | | | | | | | | 315 | | |
| | DSN1006U-2 (SOD995) | 1 x 0.6 x 0.27 | 1 x 0.6 | 0.6 | 0.3 |  | | | | | | | | | | | | | | | | 315 | | |
| | DFN1006D-2 (SOD882D) | 1 x 0.6 x 0.4 | 1 x 0.6 | 0.6 | 0.6 |  | | | | | | | | | | | | | | | | 315 | | |
| | DFN1006-2 (SOD882-S1) | 1 x 0.6 x 0.4 | 1 x 0.6 | 0.6 | 0.6 |  | | | | | | | | | | | | | | | | 515 | | |
| | DFN1006BD-2 (SOD882BD) | 1 x 0.6 x 0.47 | 1 x 0.6 | 0.6 | 0.6 |  | | | | | | | | | | | | | | | | 315 | | |
| | DFN1006 (SOD882-2) | 1 x 0.6 x 0.47 | 1 x 0.6 | 0.6 | 0.6 |  | | | | | | | | | | | | | | | | 315 | | |
| | DFN1006-2 (SOD882) | 1 x 0.6 x 0.48 | 1.0 x 0.6 | 0.6 | 0.6 |  | | | | | | | | | | | | | | | | 303 | | |
| | | | | | | | | | | | | | | | | | | | | | | 315 | | |
| | SOD123 | 2.675 x 1.6 x 1.15 | 3.6 x 1.6 | 5.76 | 3.3 |  | | | | | | | 115 | | | | | | | | | 118 | | |
| | SOD123F | 2.6 x 1.6 x 1.1 | 3.5 x 1.6 | 5.6 | 2.8 |  | | | | | | | 115 | | | | | | | | | | | |
| | CFP3 (SOD123W) | 2.6 x 1.7 x 1 | 3.5 x 1.7 | 5.95 | 2.8 |  | | | | | | | 115 | | | | | | | | | | | |
| | CFP3-HP (SOD123HP) | 2.8 x 1.8 x 0.9 | 2.8 x 1.8 | 5.04 | 3.2 |  | | | | | | | | | | | | | | | | | | |
| | LLDS; MiniMelf (SOD80C) | 3.5 x 1.5 | 3.5 x 1.53 | 5.36 | |  | | | | | | | 115 | | | | | | | | | 135 | | |
| | CFP5 (SOD128) | 3.8 x 2.5 x 1 | 4.7 x 2.6 | 12.22 | 4 |  | | | | | | | 115 | | | | | | | | | | | |
| | DPAK R2P (SOT8017) | 6.16 x 6.54 x 2.29 | 9.98 x 6.54 | 65.27 | 4.6 |  | | | | | | | 118 | | | | | | | | | | | |
| D2PAK R2P (SOT8018) | 8.8 x 10.35 x 4.46 | 15.18 x 10.35 | 157.11 | 5.1 |  | 118 | | | | | | | | | | | | | | | | | | |
| 3 | DFN0606-3 (SOT8001) | 0.62 x 0.62 x 0.37 | 0.62 x 0.62 | 0.384 | 0.3 |  | | | | | | | | | | | | | | | 125 | | | |
| | DFN0603-3 (SOT8013) | 0.63 x 0.33 x 0.25 | 0.63 x 0.33 | 0.208 | 0.2 |  | | | | | | | | | | | | | | | 317 | | | |
| | DSN1010-3 (SOT8007) | 0.96 x 0.96 x 0.24 | 0.96 x 0.96 | 0.922 | 0.5 |  | | | | | | | | | | | | | | | 315 | | | |
| | D2PAK (SOT404) | 11 x 10 x 4.3 | 15.3 x 10 | 153 | 2.5 |  | 118 | | | | | | | | | | | | | | | | | |
| | D2PAK (SOT404A) | 11 x 10 x 4.3 | 15.3 x 10 | 153 | 2.5 |  | 118 | | | | | | | | | | | | | | | | | |
| | DFN1010D-3 (SOT1215) | 1.1 x 1 x 0.37 | 1.1 x 1 | 1.1 | 0.8 |  | | | | | | | | | | | | | | | | | 147 | |

Package details and packing methods SMD

| Plugs/Terminals | Package | Package body size (l x w x h) (mm) | Package dimensions inc. leads (l x w) (mm) | Package area (mm ²) | Lead pitch (mm) | Package | 800 | 1000 | 1500 | 2000 | 2500 | 3000 | 4000 | 4500 | 5000 | 8000 | 9000 | 10000 | 15000 | 20000 | 30000 | 50000 | | |
|-----------------------|------------------------------|------------------------------------|--|---------------------------------|-----------------|---------|-----|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-----|-----|
| 3 | DFN1110D-3 (SOT8015) | 1.1 x 1 x 0.48 | 1.1 x 1 | 1.1 | 0.6 | | | | | | | | | | 147 | | | | | | | | | |
| | DFN1412D-3 (SOT8009) | 1.4 x 1.2 x 0.48 | 1.4 x 1.2 | 1.68 | 0.8 | | | | | | | | | | 147 | | | | | | | | | |
| | SOT663 | 1.6 x 1.2 x 0.55 | 1.6 x 1.6 | 2.56 | 1 | | | | | | | | 115 | | | | | | | | | | | |
| | DSN1006-3 (SOT8026) | 1 x 0.6 x 0.2 | 1 x 0.6 | 0.6 | 0.3 | | | | | | | | | | | | | | | | | 326 | | |
| | DFN1006B-3 (SOT883B) | 1 x 0.6 x 0.37 | 1 x 0.6 | 0.6 | 0.3 | | | | | | | | | | | | | | | | | 315 | | |
| | DFN1006-3 (SOT883-3) | 1 x 0.6 x 0.46 | 1 x 0.6 | 0.6 | 0.3 | | | | | | | | | | | | | | | | | 305 | | |
| | DFN1006-3 (SOT883-2) | 1 x 0.6 x 0.47 | 1 x 0.6 | 0.6 | 0.3 | | | | | | | | | | | | | | | | | 315 | | |
| | DFN1006-3 (SOT883) | 1 x 0.6 x 0.48 | 1 x 0.6 | 0.6 | 0.3 | | | | | | | | | | | | | | | | | 305 | | |
| | SOT23 | 2.9 x 1.3 x 1 | 2.9 x 2.3 | 6.67 | 1.9 | | | | | | | 215 | | | | | | | | | | 235 | 185 | 300 |
| | SC-70 (SOT323) | 2 x 1.25 x 0.95 | 2 x 2.1 | 4.2 | 1.3 | | | | | | | 115 | | | | | | | | | | 135 | | 300 |
| | HUSON3 (SOT1061-3) | 2 x 2 x 0.55 | 2 x 2 | 4 | 1.3 | | | | | | | | 328 | | | | | | | | | | | |
| | DFN2020-3 (SOT1061) | 2 x 2 x 0.65 | 2 x 2 | 4 | 1.3 | | | | | | | | 115 | | | | | | | | | 135 | | |
| | DFN2020D-3 (SOT1061D) | 2 x 2 x 0.65 | 2 x 2 | 4 | 1.3 | | | | | | | | 147 | | | | | | | | | | | |
| | FCLGA3 (SOT8073-1) | 3.2 x 2.2 x 0.774 | 3.2 x 2.2 | 7.04 | 1.2 | | | | | | | 328 | | | | | | | | | | | | |
| | SOT89 | 4.5 x 2.5 x 1.5 | 4.5 x 4 | 18 | 1.5 | | | 115 | | | | | | 135 | | | | | | | | | | |
| | CFP15 (SOT1289) | 5.8 x 4.3 x 0.78 | 6.5 x 4.3 | 27.95 | 2.1 | | | | 146 | | | | | | | 139 | | | | | | | | |
| CFP15B (SOT1289B) | 5.8 x 4.3 x 0.95 | 6.8 x 4.3 | 29.24 | 2.1 | | | | | | | | | | | 139 | | | | | | | | | |
| DPAK (SOT428C) | 6.1 x 6.6 x 2.3 | 10 x 6.6 | 66 | 2.3 | | | | | | | 118 | | | | | | | | | | | | | |
| 4 | X2SON4 (SOT1269-2) | 0.6 x 0.6 x 0.32 | 0.6 x 0.6 | 0.36 | 0.4 | | | | | | | | | | | | | | | | | 147 | | |
| | SOT143B | 2.9 x 1.3 x 1 | 2.9 x 2.3 | 6.67 | 1.9 | | | | | | | 215 | | | | | | | | | | 235 | | |
| | LFPK56E; Power-SO8 (SOT1023) | 4.58 x 5.13 x 1.03 | 5 x 6 | 30 | 1.3 | | | | 115 | | | | | | | | | | | | | | | |
| | LFPK56-UL2595 (SOT1023A) | 4.6 x 5.1 x 1 | 5 x 6 | 30 | 1.3 | | | | 115 | | | | | | | | | | | | | | | |
| | LFPK56; Power-SO8 (SOT669) | 4.9 x 4.45 x 1 | 5 x 6 | 30 | 1.3 | | | | 13 | | | | | | | | | | | | | | | |
| | SC-73 (SOT223) | 6.5 x 3.5 x 1.65 | 6.5 x 7 | 45.5 | 4.6 | | | 115 | | | | | | 135 | | | | | | | | | | |
| LFPK88 (SOT1235) | 8 x 8 x 1.6 | 8 x 8 | 64 | 2 | | | | | 118 | | | | | | | | | | | | | | | |
| 5 | XSON5 (SOT8065-1) | 1.1 x 0.85 x 0.5 | 1.1 x 0.85 | 0.935 | 0.6 | | | | | | | | | | | | | | | | | 315 | | |
| | X2SON5 (SOT1226-3) | 0.8 x 0.8 x 0.32 | 0.8 x 0.8 | 0.64 | 0.5 | | | | | | | | | | | | | | | | | 125 | | |
| | X2SON5 (SOT1226) | 0.8 x 0.8 x 0.35 | 0.8 x 0.8 | 0.64 | 0.5 | | | | | | | | | | | | | | | | | 125 | | |
| | SOT665 | 1.6 x 1.2 x 0.55 | 1.6 x 1.6 | 2.56 | 1 | | | | | | | | | | | 115 | | | | | | | | |
| | TSSOP5 (SOT353) | 2.1 x 1.25 x 0.95 | 2 x 2.1 | 4.2 | 1.3 | | | | | | | | | | | 115 | | | | | | 135 | | |
| | TSOP5 (SOT753) | 2.9 x 1.5 x 1 | 2.9 x 2.75 | 7.975 | 0.9 | | | | | | | | | | | 125 | | | | | | | | |
| | TSOT5 (SOT8098-1) | 2.9 x 1.6 x 1.1 | 2.9 x 2.8 | 8.12 | 0.9 | | | | | | | | | | | | | | | | | | | |
| | TSSOP5 (SOT353-1) | 2 x 1.25 x 0.95 | 2 x 2.1 | 4.2 | 0.6 | | | | | | | | | | | 125 | | | | | | | | |
| DFN5060-5 (SOT8075-1) | 5 x 6 x 0.9 | 5 x 6 | 30 | 1.3 | | | | | | | | | | 332 | | | | | | | | | | |

Package details and packing methods SMD

| Pins/Terminals | Package | Package body size (l x w x h) (mm) | Package dimensions inc. leads (l x w) (mm) | Package area (mm ²) | Lead pitch (mm) | Package | 800 | 1000 | 1500 | 2000 | 2500 | 3000 | 4000 | 4500 | 5000 | 8000 | 9000 | 10000 | 15000 | 20000 | 30000 | 50000 | |
|---------------------|------------------------|------------------------------------|--|---------------------------------|-----------------|---------|-----|------|------|------|------|-------------------|------|------------|------------|-------------------|------|-------|------------|-------|-------|-------|--|
| | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | XSON6 (SOT1115) | 0.9 x 1 x 0.35 | 0.9 x 1 | 0.9 | 0.6 | | | | | | | | | | 125 132 | | | | | | | | |
| | X2SON6 (SOT1255-2) | 1.0 x 0.8 x 0.32 | 1 x 0.8 | 0.8 | 0.4 | | | | | | | | | | | | | 147 | | | | | |
| | X2SON6 (SOT1255) | 1.0 x 0.8 x 0.32 | 1 x 0.8 | 0.8 | 0.4 | | | | | | | | | | | | | 147 | | | | | |
| | DFN1010B-6 (SOT1216) | 1.1 x 1.0 x 0.37 | 1.1 x 1 | 1.1 | 0.3 | | | | | | | | | | 147 | | | | | | | | |
| | DFN1308-6 (SOT8006) | 1.3 x 0.8 x 0.38 | 1.3 x 0.8 | 1.04 | 0.4 | | | | | | | | | | | | | 315 | | | | | |
| | DFN1308-6 (SOT8006B) | 1.3 x 0.8 x 0.38 | 1.3 x 0.8 | 1.04 | 0.4 | | | | | | | | | | | | | 315 | | | | | |
| | XSON6 (SOT886) | 1.45 x 1 x 0.5 | 1 x 1.45 | 1.45 | 0.5 | | | | | | | | | | | 115 125 132 | | | | | | | |
| | DFN1412-6 (SOT1268) | 1.4 x 1.2 x 0.47 | 1.4 x 1.2 | 1.68 | 0.5 | | | | | | | | | | | 147 | | | | | | | |
| | DFN1412-6 (SOT1268-1) | 1.4 x 1.2 x 0.47 | 1.4 x 1.2 | 1.68 | 0.5 | | | | | | | | | | | 147 | | | | | | | |
| | SOT666 | 1.6 x 1.2 x 0.55 | 1.6 x 1.6 | 2.56 | 0.5 | | | | | | | | | 115 125 | | 315 | | | | | | | |
| | XSON6 (SOT1202) | 1 x 1 x 0.35 | 1 x 1 | 1 | 0.3 | | | | | | | | | | | 125 132 | | | | | | | |
| | TSSOP6 (SOT363) | 2.1 x 1.25 x 0.95 | 2 x 2.1 | 4.2 | 0.6 | | | | | | | 115 125 | | | | | | | 135 165 | | | | |
| | TSOP6 (SOT457) | 2.9 x 1.5 x 1 | 2.9 x 2.75 | 7.975 | 0.9 | | | | | | | 115 125 | | | | | | | 135 165 | | | | |
| | TSSOP6 (SOT8061-1) | 2.9 x 1.6 x 1.1 | 2.9 x 2.8 | 8.12 | 0.9 | | | | | | | 342 | | | | | | | | | | | |
| | TSSOP6 (SOT363-2) | 2 x 1.25 x 0.95 | 2 x 2.1 | 4.2 | 0.6 | | | | | | | 125 | | | | | | | | | | | |
| | DFN2020MD-6 (SOT1220) | 2 x 2 x 0.65 | 2 x 2 | 4 | 0.6 | | | | | | | 115 125 184 | | | | | | | | | | | |
| | DFN2020D-6 (SOT1118D) | 2 x 2 x 0.65 | 2 x 2 | 4 | 0.6 | | | | | | | 115 | | | | | | | | | | | |
| | DFN2020M-6 (SOT1220-2) | 2 x 2 x 0.65 | 2 x 2 | 4 | 0.6 | | | | | | | 115 184 | | | | | | | | | | | |
| | DFN2020-6 (SOT1118) | 2 x 2 x 0.65 | 2 x 2 | 4 | 0.6 | | | | | | | 115 184 | | | | | | | | | | | |
| | HWSO6 (SOT8044-1) | 2 x 2 x 0.75 | 2 x 2 | 4 | 0.6 | | | | | | | 147 | | | | | | | | | | | |
| 7 | XSON7 (SOT1358-1) | 1.1 x 2.1 x 0.5 | 1.1 x 2.1 | 2.31 | 0.5 | | | | | | | | 471 | | | | | | | | | | |
| | VQFN7 (SOT8091-1) | 6 x 4 x 0.95 | 6 x 4 | 24 | 0.5 | | | | | 332 | | | | | | | | | | | | | |
| | TO-263-7 (SOT8070-1) | 9.3 x 9.88 x 4.5 | 10.08 x 15.88 | 160.07 | 1.3 | | 118 | | | | | | | | | | | | | | | | |
| 8 | XSON8 (SOT1116) | 1.2 x 1 x 0.35 | 1.2 x 1 | 1.2 | 0.3 | | | | | | | | | | 115 | | | | | | | | |
| | X2SON8 (SOT1233-2) | 1.35 x 0.8 x 0.32 | 1.35 x 0.8 | 1.08 | 0.5 | | | | | | | | | | | | | 115 | | | | | |
| | XSON8 (SOT1203) | 1.35 x 1 x 0.35 | 1.35 x 1 | 1.35 | 0.3 | | | | | | | | | | 115 | | | | | | | | |
| | DFN1714-8 (SOT1166-1) | 1.7 x 1.35 x 0.55 | 1.7 x 1.35 | 2.295 | 0.4 | | | | | | | | 132 | | | | | | | | | | |
| | XSON8 (SOT833-1) | 1 x 1.95 x 0.5 | 1 x 1.95 | 1.95 | 0.5 | | | | | | | | | | 115 | | | | | | | | |
| | LFPK33 (SOT1210) | 2.7 x 3.4 x 0.9 | 3.3 x 3.3 | 10.89 | 0.6 | | | | 115 | | | | | | | | | | | | | | |
| | VSSOP8 (SOT765-1) | 2 x 2.3 x 1 | 2 x 3.1 | 6.2 | 0.5 | | | | | | | 125 | | | | | | | | | | | |
| | TSSOP8 (SOT505-2) | 3.0 x 3.0 x 1.1 | 3 x 4 | 12 | 0.6 | | | | | | | 125 | | | | | | | | | | | |
| MLPAK33 (SOT8002-3) | 3.3 x 3.3 x 0.8 | 3.3 x 3.3 | 10.89 | 0.6 | | | | | | | 118 | | | | | | | | | | | | |

Package details and packing methods SMD

| Pins/Terminals | Package | Package body size (l x w x h) (mm) | Package dimensions inc. leads (l x w) (mm) | Package area (mm ²) | Lead pitch (mm) | Package | 800 | 1000 | 1500 | 2000 | 2500 | 3000 | 4000 | 4500 | 5000 | 8000 | 9000 | 10000 | 15000 | 20000 | 30000 | 50000 |
|----------------|--------------------------------|------------------------------------|--|---------------------------------|-----------------|---|-----|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|
| | | | | | | | | | | | | | | | | | | | | | | |
| 8 | MLPAK33 (SOT8002-1) | 3.3 x 3.3 x 0.8 | 3.3 x 3.3 | 10.89 | 0.6 |  | | | | | | 118 | | | | | | | | | | |
| | MLPAK33 (SOT8002-2) | 3.3 x 3.3 x 0.8 | 3.3 x 3.3 | 10.89 | 0.6 |  | | | | | | 118 | | | | | | | | | | |
| | TSSOP8 (SOT530-1) | 3 x 4.4 x 1.1 | 3 x 6.4 | 19.2 | 0.6 |  | | | | | 118 | | | | | | | | | | | |
| | LFPAK56D; Dual LFPAK (SOT1205) | 4.7 x 5.3 x 1.05 | 5 x 6 | 30 | 1.3 |  | | | 115 | | | | | | | | | | | | | |
| | DFN8080-8 (SOT8074-1) | 8 x 8 x 0.9 | 8 x 8 | 64 | 2 |  | | | | | 332 | | | | | | | | | | | |
| 10 | DFN2510A-10 (SOT1176-2) | 1.0 x 2.5 x 0.5 | 1 x 2.5 | 2.5 | 0.5 |  | | | | | | | | 115 | 471 | | | | | | | |
| | XQFN10 (SOT1160-1) | 1.4 x 1.8 x 0.5 | 1.4 x 1.8 | 2.52 | 0.4 |  | | | | | | 115 | | | | | | | | | | |
| | DFN2510A-10 (SOT1176-1) | 2.5 x 1 x 0.5 | 2.5 x 1 | 2.5 | 0.5 |  | | | | | | | | 115 | 471 | | | | | | | |
| | DFN2510-10 (SOT1165-1) | 2.5 x 1 x 0.5 | 2.5 x 1 | 2.5 | 0.5 |  | | | | | | | | 115 | | | | | | | | |
| 10 | DFN2510D-10 (SOT1165D) | 2.5 x 1 x 0.75 | 2.5 x 1 | 2.5 | 0.5 |  | | | | | | 115 | | | | | | 118 | | | | |
| | DFN2510D-10 (SOT1176D) | 2.5 x 1 x 0.75 | 2.5 x 1 | 2.5 | 0.5 |  | | | | | | 115 | | | | | | 118 | | | | |
| | TSSOP10 (SOT552-1) | 3 x 3 x 1.1 | 3 x 4.9 | 14.7 | 0.5 |  | | | | | 118 | | | | | | | | | | | |
| 12 | XQFN12 (SOT1174-1) | 2 x 1.7 x 0.5 | 2 x 1.7 | 3.4 | 0.4 |  | | | | | | 115 | | | | | | | | | | |
| 13 | CCPAK1212 (SOT8000) | 12 x 12 x 2.5 | 12 x 12 | 144 | 2 |  | 139 | | | | | | | | | | | | | | | |
| | CCPAK1212i (SOT8005) | 12 x 9.4 x 2.5 | 12 x 12 | 144 | 2 |  | 139 | | | | | | | | | | | | | | | |
| 14 | DHXQFN14 (SOT8014-1) | 2 x 2 x 0.48 | 2 x 2 | 4 | 0.4 |  | | | | | | 147 | | | | | | | | | | |
| | DHVQFN14 (SOT762-1) | 3 x 2.5 x 1 | 2.5 x 3 | 7.5 | 0.5 |  | | | | | | 115 | | | | | | | | | | |
| | TSSOP14 (SOT402-1) | 5 x 4.4 x 1.1 | 5 x 6.4 | 32 | 0.6 |  | | | | | 118 | | | | | | | | | | | |
| | SO14 (SOT108-1) | 8.65 x 3.9 x 1.75 | 8.65 x 6 | 51.9 | 1.3 |  | | | | | | 13 | 118 | 139 | 623 | 653 | | | | | | |
| 16 | XQFN16 (SOT1161-1) | 2.6 x 1.8 x 0.5 | 1.8 x 2.6 | 4.68 | 0.4 |  | | | | | | | 115 | | | | | | | | | |
| | DHXQFN16 (SOT8016-1) | 2 x 2.4 x 0.48 | 2 x 2.4 | 4.8 | 0.4 |  | | | | | | 115 | | | | | | | | | | |
| | DFN3314-16 (SOT1168-1) | 3.3 x 1.35 x 0.55 | 3.3 x 1.35 | 4.455 | 0.4 |  | | | | | | | | 132 | | | | | | | | |
| | DHVQFN16 (SOT763-1) | 3.5 x 2.5 x 1 | 3.5 x 2.5 | 8.75 | 0.5 |  | | | | | | 115 | | | | | | | | | | |
| | HWQFN16 (SOT8076-1) | 3 x 3 x 0.75 | 3 x 3 | 9 | 0.5 |  | | | | | | | | | 118 | | | | | | | |
| | SSOP16 (SOT519-1) | 4.9 x 3.9 x 1.73 | 4.9 x 6 | 29.4 | 0.6 |  | | | | | 118 | | | | | | | | | | | |
| | TSSOP16 (SOT403-1) | 5 x 4.4 x 1.1 | 5 x 6.4 | 32 | 0.6 |  | | | | | 118 | | | | | | | | | | | |
| 20 | SO16 (SOT109-1) | 9.9 x 3.9 x 1.75 | 9.9 x 6 | 59.4 | 1.3 |  | | | | | | 13 | 118 | 139 | 653 | | | | | | | |
| | SO20 (SOT163-1) | 12.8 x 7.5 x 2.65 | 12.8 x 10.33 | 132.22 | 1.3 |  | | | | | 118 | 623 | 653 | | | | | | | | | |
| | DHXQFN20 (SOT8020-1) | 2 x 3.2 x 0.48 | 3.2 x 2 | 6.4 | 0.4 |  | | | | | | 115 | | | | | | | | | | |
| | DHVQFN20 (SOT764-1) | 4.5 x 2.5 x 1 | 4.5 x 2.5 | 11.25 | 0.5 |  | | | | | | 115 | | | | | | | | | | |

Package details and packing methods SMD

| Pins/Terminals | Package | Package body size (l x w x h) (mm) | Package dimensions inc. leads (l x w) (mm) | Package area (mm ²) | Lead pitch (mm) | Package | 800 | 1000 | 1500 | 2000 | 2500 | 3000 | 4000 | 4500 | 5000 | 8000 | 9000 | 10000 | 15000 | 20000 | 30000 | 50000 | |
|----------------|----------------------|------------------------------------|--|---------------------------------|-----------------|---|-----|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|--|
| | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | TSSOP20 (SOT360-1) | 6.5 x 4.4 x 1.1 | 6.5 x 6.4 | 41.6 | 0.6 |  | | | | | 118 | | | | | | | | | | | | |
| 24 | DHXQFN24 (SOT8024-1) | 2 x 4 x 0.48 | 2 x 4 | 8 | 0.4 |  | | | | | | 115 | | | | | | | | | | | |
| | HWQFN24 (SOT8041-1) | 4 x 4 x 0.75 | 4 x 4 | 16 | 0.5 |  | | | | | | 128 | | | | | | | | | | | |
| | DHVQFN24 (SOT815-1) | 5.5 x 3.5 x 1 | 5.5 x 3.5 | 19.25 | 0.5 |  | | | | | | 118 | | | | | | | | | | | |
| | TSSOP24 (SOT355-1) | 7.8 x 4.4 x 1.1 | 7.8 x 6.4 | 49.92 | 0.6 |  | | | | | 118 | | | | | | | | | | | | |
| 48 | TSSOP48 (SOT362-1) | 12.8 x 6.1 x 1.2 | 12.5 x 8.1 | 101.25 | 0.5 |  | | | | | 118 | | | | | | | | | | | | |
| | TVSOP48 (SOT480-1) | 9.7 x 4.4 x 1.1 | 9.7 x 6.4 | 62.08 | 0.4 |  | | | | | 118 | | | | | | | | | | | | |
| 56 | TSSOP56 (SOT364-1) | 14 x 6.1 x 1.2 | 14 x 8.1 | 113.4 | 0.5 |  | | | | | 118 | | | | | | | | | | | | |
| | | | | | | | | | | | 518 | | | | | | | | | | | | |

WLCSP package details

| Basic type | Package size (l x w x h) (mm) | # of balls | Pitch (mm) | Package | Package name | ID | Category |
|----------------|-------------------------------|------------|------------|---|--------------|--------------------|----------|
| IP4369CX4 | 0.76 x 0.76 x 0.47 | 4 | 0.4 |  | WLCSP4 | OL-IP4369CX4 | ESD |
| PMCM4401UPE | 0.78 x 0.78 x 0.345 | 4 | 0.4 |  | WLCSP4 | OL-PMCM4401UPE | MOSFETs |
| PMCM4401VNE | 0.78 x 0.78 x 0.345 | 4 | 0.4 | | WLCSP4 | OL-PMCM4401VNE | MOSFETs |
| PMCM4401VPE | 0.78 x 0.78 x 0.345 | 4 | 0.4 | | WLCSP4 | OL-PMCM4401VPE | MOSFETs |
| PCMF1HDMI2BA-C | 0.77 x 1.17 x 0.61 | 5 | 0.4 |  | WLCSP5 | OL-PCMF1HDMI-2BA-C | ESD |
| IP3319CX6 | 0.95 x 1.34 x 0.57 | 6 | 0.4 |  | WLCSP6 | OL-IP3319CX6 | ESD |
| PMCM6501VNE | 1.5 x 1 x 0.35 | 6 | 0.5 |  | WLCSP6 | OL-PMCM6501VNE | MOSFETs |
| PMCM6501VPE | 1.5 x 1 x 0.35 | 6 | 0.5 | | WLCSP6 | OL-PMCM6501VPE | MOSFETs |
| NXB0102UN | 0.75 x 1.55 x 0.60 | 8 | 0.4 |  | WLCSP8 | SOT8023-1 | Logic |
| NXS0102UN | 0.75 x 1.55 x 0.60 | 8 | 0.4 | | WLCSP8 | SOT8023-1 | Logic |
| NXT4556UP | 1.06 x 1.06 x 0.43 | 9 | 0.3 |  | WLCSP9 | SOT8027-1 | Logic |
| PCMF2HDMI2BA-C | 1.57 x 1.17 x 0.61 | 10 | 0.4 |  | WLCSP10 | OL-PCMF2HDMI-2BA-C | ESD |
| NXS0104UM | 1.36 x 1.86 x 0.60 | 12 | 0.5 |  | WLCSP12 | SOT8019-1 | Logic |
| PCMF3HDMI2BA-C | 2.37 x 1.17 x 0.61 | 15 | 0.4 |  | WLCSP15 | OL-PCMF3HDMI-2BA-C | ESD |
| NXS0506UP | 1.455 x 1.455 x 0.43 | 16 | 0.3 |  | WLCSP16 | SOT8025-1 | Logic |

Packing details glass diodes, single ended and through hole packages

| Pins/ Terminals | Package | Package size (l x w x h) (mm) | Lead pitch (mm) | Package | Packing |
|------------------------|----------------------|----------------------------------|---|---|---------------------|
| 2 | ALF2 (SOD27) | 4.25 x 1.85 | |  | SOD27_113 (10000) |
| | | | | | SOD27_133 (10000) |
| | | | | | SOD27_143 (5000) |
| | DO-41 (SOD66) | 4.8 x 2.6 | |  | SOD66_113 (5000) |
| | | | | | SOD66_133 (5000) |
| | DO-34 (SOD68) | 3.04 x 1.6 | |  | SOD68_113 (10000) |
| | | | | | SOD68_133 (10000) |
| SOD68_143 (5000) | | | | | |
| TO-247 (SOT429) | 20.45 x 15.6 x 4.95 | 5.4 |  | SOT429_127 (300) | |
| DFN3314-16 (SOT1168-1) | 15.3 x 10 x 4.4 | 5.1 |  | SOT8021_127 (1000) | |
| TO-220-2 (SOT8021) | 15.3 x 10 x 4.4 | 5.1 |  | SOT8021_127 (1000) | |
| 3 | TO-247-3L (SOT429-2) | 20.95 x 15.94 x 5.02 | 5.4 |  | SOT429-2_127 (450) |
| | TO-247-3L (SOT429-3) | 20.95 x 15.94 x 5.02 | 5.4 |  | SOT429-3_127 (300) |
| 4 | TO-247-4 (SOT8071-1) | 23.45 x 15.94 x 5.02 | 2.5 |  | SOT8071-1_127 (450) |

Package cross reference list

| Type | Competitor | Nexperia | Pins/Leads |
|-----------------|-------------|----------------------|------------|
| 6 Lead DFN | ON Semi | DFN2020-6 (SOT1118) | 6 |
| CL2 | Toshiba | DSN0402-2 (SOD992) | 2 |
| CLP0603 | Vishay | DSN0603-2 (SOD962) | 2 |
| CMAK/ CMPAK | Renesas | SOT323 | 3 |
| CMPAK-5(T) | Renesas | SOT353 | 5 |
| CMPAK-6 | Renesas | SOT363 | 6 |
| CMPAK/ CMAK | Renesas | SOT323 | 3 |
| CP4 | Toshiba | SOT143B | 4 |
| CS6 | Toshiba | DFN1010-6 (SOT891) | 6 |
| CST3 | Toshiba | DFN1006-3 (SOT883) | 3 |
| CST3 | Toshiba | DFN1006B-3 (SOT883B) | 3 |
| CTS2 (FSC) | Toshiba | DFN1006-2 (SOD882) | 2 |
| CTS2 (FSC) | Toshiba | DFN1006D-2 (SOD882D) | 2 |
| D2PAK | Infineon | D2PAK (SOT404) | 3 |
| D2PAK | ON Semi | D2PAK (SOT404) | 3 |
| D2PAK | ST | D2PAK (SOT404) | 3 |
| D2PAK | Toshiba | D2PAK (SOT404) | 3 |
| D2PAK | Vishay | D2PAK (SOT404) | 3 |
| D2PAK | Infineon | LFPK88 (SOT1235) | 4 |
| D2PAK | ON Semi | LFPK88 (SOT1235) | 4 |
| D2PAK | ST | LFPK88 (SOT1235) | 4 |
| D2PAK | Vishay | LFPK88 (SOT1235) | 4 |
| D2PAK | Infineon | D2PAK (SOT404) | 3 |
| D2PAK | ST | D2PAK (SOT404) | 3 |
| D2PAK | Vishay | D2PAK (SOT404) | 3 |
| D2PAK | ST | D2PAK R2P (SOT8018) | 2 |
| D2PAK | Ween | D2PAK R2P (SOT8018) | 2 |
| D2PAK (TO263-2) | Infineon | D2PAK R2P (SOT8018) | 2 |
| D2PAK 3 | ON Semi | D2PAK (SOT404) | 3 |
| D2PAK 3 | ON Semi | LFPK88 (SOT1235) | 4 |
| D2PAK 3 | ON Semi | D2PAK (SOT404) | 3 |
| D2PAK-3 | ON Semi | D2PAK (SOT404) | 3 |
| D2PAK-7 | Infineon | LFPK88 (SOT1235) | 4 |
| D2PAK-7 | ON Semi | LFPK88 (SOT1235) | 4 |
| D2PAK-7 | Vishay | LFPK88 (SOT1235) | 4 |
| D2PAK* | Diodes Inc. | D2PAK (SOT404) | 3 |
| D2PAK+ | Toshiba | LFPK88 (SOT1235) | 4 |
| DFN-5 | ON Semi | LFPK56 (SOT669) | 4 |
| DFN-8 | ON Semi | LFPK56D (SOT1205) | 8 |
| DFN1006-3 | Diodes Inc. | DFN1006-3 (SOT883) | 3 |
| DFN1006H4-3 | Diodes Inc. | DFN1006-3 (SOT883) | 3 |
| DFN1411* | Diodes Inc. | DFN1010D-3 (SOT1215) | 3 |
| DFN2 | ST | DSN0603-2 (SOD962) | 2 |
| DPAK | ST | DPAK RP2 (SOT8017) | 2 |

| Type | Competitor | Nexperia | Pins/Leads |
|---------------------|-------------------|-----------------------|------------|
| DPAK | Ween | DPAK RP2 (SOT8017) | 2 |
| DPAK (TO252-2) | Infineon | DPAK RP2 (SOT8017) | 2 |
| DSN2, 0.4 x 0.2 | ON Semi | DSN0402-2 (SOD992) | 2 |
| DSN2, 0.6 x 0.3 | ON Semi | DSN0603-2 (SOD962) | 2 |
| DSN2, 1.0 x 0.6 | ON Semi | DSN1006-2 (SOD993) | 2 |
| DSN2, 1.0 x 0.6 | ON Semi | DFN1006D-2 (SOD882D) | 2 |
| DSN2, 1.6 x 0.8 | ON Semi | DFN1608D-2 (SOD1608) | 2 |
| EMD2 | Rohm | SOD523 | 2 |
| EMD3/EMT3 | Rohm | DFN1006-3 (SOT883) | 3 |
| EMT3/EMD3 | Rohm | DFN1006-3 (SOT883) | 3 |
| EMT3F* | Rohm | DFN1006-3 (SOT883) | 3 |
| ESC/TESC | Toshiba | SOD523 | 2 |
| ESM | Toshiba | DFN1006-3 (SOT883) | 3 |
| FM8 | Toshiba | SOT96 | 8 |
| FS6* | Toshiba | DFN1010B-6 (SOT1216) | 6 |
| GMD2 | Rohm | DSN0603-2 (SOD962) | 2 |
| H2PAK-2 | ST | D2PAK (SOT404) | 3 |
| HSMT8 | Rohm | LFPK33 (SOT1210) | 8 |
| HSON-8 | Renesas | LFPK56 (SOT669) | 4 |
| HSON-8 Dual | Renesas | LFPK56D (SOT1205) | 8 |
| HSOP8 (Dual) | Rohm | LFPK56D (SOT1205) | 8 |
| HSOP8 (Single) | Rohm | LFPK56 (SOT669) | 4 |
| HSOP8 (Single) | Rohm | LFPK56E (SOT1023) | 4 |
| HUML2020L8 (Dual) | Rohm | DFN2020-6 (SOT1118) | 6 |
| HUML2020L8 (Single) | Rohm | DFN2020MD-6 (SOT1220) | 6 |
| I2PAK | ON Semi | I2PAK (SOT226) | 3 |
| I2PAK | ST | I2PAK (SOT226) | 3 |
| KMD2 | Rohm | DFN1608D-2 (SOD1608) | 2 |
| LDPK(S)-(1) | Renesas | D2PAK (SOT404) | 3 |
| LFPK | Renesas | LFPK56 (SOT669) | 5 |
| LFPK 5x6 | ST | LFPK56 (SOT669) | 4 |
| LFPK4 | ON Semi | LFPK56 (SOT669) | 4 |
| LFPK56, HSON-8 | Renesas | LFPK56E (SOT1023) | 4 |
| LFPK8 | ON Semi | LFPK56E (SOT1023) | 4 |
| LG A 1.0 x 0.6mm | Texas Instruments | DFN1006B-3 (SOT883B) | 3 |
| LLD | Renesas | SOD80C | 2 |
| LLDS | Rohm | SOD80C | 2 |
| LLP1006-2L | Vishay | DFN1006-2 (SOD882) | 2 |
| LLP1006-2L | Vishay | DFN1006D-2 (SOD882D) | 2 |
| LLP1006-2M | Vishay | DFN1006-2 (SOD882) | 2 |
| LLP1006-2M | Vishay | DFN1006D-2 (SOD882D) | 2 |
| LLP75-7L | Vishay | DFN1616-6 (SOT1189) | 6 |
| LPDS/LPTS | Rohm | D2PAK (SOT404) | 3 |
| LPTS | Rohm | D2PAK (SOT404) | 3 |

Types with * show footprint compatibility only

Package cross reference list

| Type | Competitor | Nexperia | Pins/Leads |
|-----------------------|----------------------|-----------------------|------------|
| LPTS/LPDS | Rohm | D2PAK (SOT404) | 3 |
| M-Flat | Toshiba | SOD128 | 2 |
| Micro 3 | Int. Rectifier | SOT23 | 3 |
| Micro 6 | Int. Rectifier | SOT457 | 6 |
| MICRO FOOT 0.8 x 0.8 | Vishay | WLCSP4 | 4 |
| MICRO FOOT 0.8 x 0.8* | Vishay | DFN1010D-3 (SOT1215) | 3 |
| MICRO FOOT 1 x 1.2* | Vishay | DFN1010D-3 (SOT1215) | 3 |
| MICRO FOOT 1 x 1.5* | Vishay | DFN1010D-3 (SOT1215) | 3 |
| MICRO FOOT 1 x 1* | Vishay | DFN1010D-3 (SOT1215) | 3 |
| MICRO FOOT 1.5 x 1.0 | Vishay | WLCSP6 | 6 |
| MICRO FOOT 1.6 x 1.6* | Vishay | DFN2020MD-6 (SOT1220) | 6 |
| MICRO FOOT* | Vishay | DFN2020MD-6 (SOT1220) | 6 |
| MicroFET | FalRchild | DFN2020MD-6 (SOT1220) | 6 |
| MicroFET 1.6 x 1.6* | FalRchild | DFN2020MD-6 (SOT1220) | 6 |
| MicroSMA | Taiwan Semiconductor | CFP2-HP (SOD323HP) | 2 |
| MicroSMP | Vishay | CFP2-HP (SOD323HP) | 2 |
| MiniMelf | Diodes Inc. | SOD80C | 2 |
| MiniMelf | ST | SOD80C | 2 |
| MiniMelf | Vishay | SOD80C | 2 |
| MP-25(K) | Renesas | TO-220 (SOT78) | 3 |
| MP-25SK | Renesas | I2PAK (SOT226) | 3 |
| MP-25ZT | Renesas | D2PAK (SOT404) | 3 |
| MP6 | Renesas | DSN0603-2 (SOD962) | 2 |
| MPAK | Renesas | SOT23 | 3 |
| MPAK-4R | Renesas | SOT143B | 4 |
| MPT3 | Rohm | SOT89 | 3 |
| PG-TD SON-8 | Infineon | LFPK56 (SOT669) | 5 |
| PG-TD- SON-8 | Infineon | LFPK56E (SOT1023) | 4 |
| PG-TDSON-8 | Infineon | LFPK56D (SOT1205) | 8 |
| PG-TDSON-8 | Infineon | LFPK56 (SOT669) | 4 |
| PG-TO220-3 | Infineon | TO-220 (SOT78) | 3 |
| PG-TO262-3 | Infineon | I2PAK (SOT226) | 3 |
| PG-TO263-3 | Infineon | D2PAK (SOT404) | 3 |
| PG-TSDSON-8 | Infineon | LFPK33 (SOT1210) | 8 |
| PMDT | Rohm | SOD128 | 2 |
| PMDU | Rohm | SOD123W | 2 |
| Power DI3333-8 | Diodes Inc. | LFPK33 (SOT1210) | 8 |
| Power DI5060-8 | Diodes Inc. | LFPK56D (SOT1205) | 8 |
| Power DI5060-8 | Diodes Inc. | LFPK56 (SOT669) | 4 |
| Power FLAT 3.3 x 3.3 | ST | LFPK33 (SOT1210) | 8 |
| Power FLAT 5x6 Dual | ST | LFPK56D (SOT1205) | 8 |
| Power FLAT 5x6 Dual | ST | LFPK56 (SOT669) | 4 |
| Power- Di5060-8 | Diodes Inc | LFPK56E (SOT1023) | 4 |

Types with * show footprint compatibility only

| Type | Competitor | Nexperia | Pins/Leads |
|---------------------|-------------|-----------------------|------------|
| Power- FLAT (6x5) | ST | LFPK56E (SOT1023) | 4 |
| Power88 (DFNW-8) | ON Semi | LFPK88 (SOT1235) | 4 |
| PowerDI123 | Diodes Inc. | SOD123F | 2 |
| PowerDI123 | Diodes Inc. | SOD123W | 2 |
| PowerDI323 | Diodes Inc. | SOD323F | 2 |
| PowerDI323 | Diodes Inc. | CFP2-HP (SOD323HP) | 2 |
| PowerDi5 | Diodes Inc. | CFP15/B (SOT1289/B) | 3 |
| PowerDI5 | Diodes Inc. | CFP15B (SOT1289B) | 3 |
| PowerFLAT (6 x 5) | ST | LFPK56 (SOT669) | 5 |
| PowerFLAT (6 x 5) | ST | LFPK56D (SOT1205) | 5 |
| PowerPAK 1212-8 | Vishay | LFPK33 (SOT1210) | 8 |
| PowerPAK 8x8L | Vishay | LFPK88 (SOT1235) | 4 |
| PowerPAK SC-70 | Vishay | DFN2020-6 (SOT1118) | 6 |
| PowerPAK SC-70 | Vishay | DFN2020MD-6 (SOT1220) | 6 |
| PowerPak SC-70-6L | Vishay | DFN2020-6 (SOT1118) | 6 |
| PowerPak SC-75-6L* | Vishay | DFN2020MD-6 (SOT1220) | 6 |
| PowerPAK SC-75* | Vishay | DFN2020MD-6 (SOT1220) | 6 |
| PowerPAK SC706L | Vishay | DFN2020-3 (SOT1061) | 3 |
| PowerPAK SO-8 | Vishay | LFPK56 (SOT669) | 5 |
| PowerPAK SO-8(L) | Vishay | LFPK56 (SOT669) | 4 |
| PowerPAK SO-8(L) | Vishay | LFPK56E (SOT1023) | 4 |
| PowerPAK SO-8L Dual | Vishay | LFPK56D (SOT1205) | 8 |
| PW-Mini | Toshiba | SOT89 | 3 |
| S-Flat | Toshiba | SOD123F | 2 |
| S-Flat | Toshiba | SOD123W | 2 |
| S-Mini | Toshiba | SOT23 | 3 |
| S-Mini TSM | Toshiba | SOT23 | 3 |
| S08 | Vishay | SOT96 | 8 |
| SC-70 | ON Semi | SOT323 | 3 |
| SC-70, 3 leads | Vishay | SOT323 | 3 |
| SC-74 TSOP-6 | ON Semi | SOT457 | 6 |
| SC-75 | ON Semi | DFN1006-3 (SOT883) | 3 |
| SC-75 | Semtech | DFN1006-3 (SOT883) | 3 |
| SC-75A | Vishay | DFN1006-3 (SOT883) | 3 |
| SC-88 | ON Semi | SOT363 | 6 |
| SC-88A | ON Semi | SOT353 | 5 |
| SC2 | Toshiba | DSN0603-2 (SOD962) | 2 |
| SC59 | Diodes Inc. | SOT23 | 3 |
| SC70 | ON Semi | SOT323 | 3 |
| SC70-3 | AOS | SOT323 | 3 |
| SC70-3 | Vishay | SOT323 | 3 |
| SC70-5L | Semtech | SOT353 | 5 |
| SC70-6 | AOS | SOT363 | 6 |
| SC70-6 | FalRchild | SOT363 | 6 |

Package cross reference list

| Type | Competitor | Nexperia | Pins/Leads |
|----------------------------------|----------------------|-----------------------|------------|
| SC70-6 | Vishay | SOT363 | 6 |
| SC70-6L | Semtech | SOT363 | 6 |
| SC74 TSOP6 | Infineon | SOT457 | 6 |
| SC75 | Infineon | DFN1006-3 (SOT883) | 3 |
| SC75 | ON Semi | DFN1006-3 (SOT883) | 3 |
| SC75A | Vishay | DFN1006-3 (SOT883) | 3 |
| SC79 | Infineon | SOD523 | 2 |
| SC88/SC 7 0-6/ SOT 363 6 LEAD | ON Semi | SOT363 | 6 |
| SC89-3 | FalRchild | DFN1006-3 (SOT883) | 3 |
| SC89-3 | ON Semi | DFN1006-3 (SOT883) | 3 |
| SC89-3 | Vishay | DFN1006-3 (SOT883) | 3 |
| SGP0603P2X3 | Semtech | DFN0603-2 (SOD972E) | 2 |
| SL2 | Toshiba | DFN0603-2 (SOD972E) | 2 |
| SlimSMAW | Vishay | CFP5 (SOD128) | 2 |
| SLP0402P2X3 | Semtech | DSN0402-2 (SOD992) | 2 |
| SLP1006P2 | Semtech | DFN1006-2 (SOD882) | 2 |
| SLP1006P2T | Semtech | DFN1006D-2 (SOD882D) | 2 |
| SLP1006P3 | Semtech | DFN1006-3 (SOT883) | 3 |
| SLP1006P3T | Semtech | DFN1006B-3 (SOT883B) | 3 |
| SLP1610N2 | Semtech | DFN1608D-2 (SOD1608) | 2 |
| SLP1610P4 | Semtech | DFN2510A-10 (SOT1176) | 10 |
| SLP1713P8 | Semtech | DFN1714-8 (SOT1166) | 8 |
| SLP1713P8 | Semtech | DFN1714U-8 (SOT983) | 8 |
| SLP2513P12 | Semtech | DFN2514-12 (SOT1167) | 12 |
| SLP3313P16 | Semtech | DFN3314-16 (SOT1168) | 16 |
| SM6 VS-6 | Toshiba | SOT457 | 6 |
| SMA flat | ST | SOD128 | 2 |
| SMAFS | Diodes Inc. | CFP5 (SOD128) | 2 |
| SMD TO-263 | Renesas | D2PAK (SOT404) | 3 |
| SMD0402 | Rohm | DSN0402-2 (SOD992) | 2 |
| SMD6/SMT6 | Rohm | SOT457 | 6 |
| SMD6/SMZ6 | Rohm | SOT457 | 6 |
| SMF | Vishay | CFP3 (SOD123W) | 2 |
| SMPAK | Renesas | DFN1006-3 (SOT883) | 3 |
| SMPC | Vishay | CFP15B (SOT1289B) | 3 |
| SMPCc | Taiwan Semiconductor | CFP15B (SOT1289B) | 3 |
| SMPC TO-277A | Vishay | CFP15/B (SOT1289/B) | 3 |
| SMPC4.0 | Taiwan Semiconductor | CFP15B (SOT1289B) | 3 |
| SMT3 | Rohm | SOT23 | 3 |
| SMT5* | Rohm | SOT457 | 6 |
| SMT6 | Rohm | SOT457 | 6 |

| Type | Competitor | Nexperia | Pins/Leads |
|--------------------|----------------------|-----------------------|------------|
| SMZ6/SMD6 | Rohm | SOT457 | 6 |
| SO-8 FL | ON Semi | LFPAK56 (SOT669) | 5 |
| SO-8 FL, DFN-5 | ON Semi | LFPAK56E (SOT1023) | 4 |
| SO-8FL Dual | ON Semi | LFPAK56D (SOT1205) | 8 |
| SO-8FL Dual | ON Semi | LFPAK56 (SOT669) | 4 |
| SOD-123 | ST | SOD123F | 2 |
| SOD-123-FL | ON Semi | SOD123W | 2 |
| SOD-123FL | ON Semi | CFP3 (SOD123W) | 2 |
| SOD-123FL | Rohm | CFP3 (SOD123W) | 2 |
| SOD-123W | Taiwan Semiconductor | CFP3 (SOD123W) | 2 |
| SOD-128 | Rohm | CFP5 (SOD128) | 2 |
| SOD-128 | Taiwan Semiconductor | CFP5 (SOD128) | 2 |
| SOD-323 | Diodes Inc. | SOD323 | 2 |
| SOD-323 | ON Semi | SOD323 | 2 |
| SOD-323 | ST | SOD323 | 2 |
| SOD-323EP | ON Semi | CFP2-HP (SOD323HP) | 2 |
| SOD-323HE | Rohm | CFP2-HP (SOD323HP) | 2 |
| SOD-523 | ON Semi | SOD523 | 2 |
| SOD-523 | ST | SOD523 | 2 |
| SOD123F | Diodes Inc. | CFP3 (SOD123W) | 2 |
| SOD323 | Infineon | SOD323 | 2 |
| SOD323 | Semtech | SOD323 | 2 |
| SOD323 | Vishay | SOD323 | 2 |
| SOD523 | Diodes Inc. | SOD523 | 2 |
| SOD523 | Semtech | SOD523 | 2 |
| SOD523 | Vishay | SOD523 | 2 |
| SOD882 | ST | DFN1006-2 (SOD882) | 2 |
| SOD882T | ST | DFN1006D-2 (SOD882D) | 2 |
| SOD923-2* | ON Semi | DFN1006-2 (SOD882) | 2 |
| SOIC-8 NB | ON Semi | SOT96 | 8 |
| SON 2x2 | Texas Instruments | DFN2020MD-6 (SOT1220) | 6 |
| SON 3 x 3* | Texas Instruments | DFN2020MD-6 (SOT1220) | 6 |
| SOP / DSOP Advance | Toshiba | LFPAK56E (SOT1023) | 4 |
| SOP / DSOP Advance | Toshiba | LFPAK56 (SOT669) | 4 |
| SOP-8 | Renesas | SOT96 | 8 |
| SOP8 | Rohm | SOT96 | 8 |
| SOT 143 | Infineon | SOT143B | 4 |
| SOT-143 | Diodes Inc. | SOT143B | 4 |
| SOT-143 | Semtech | SOT143B | 4 |
| SOT-223 | Diodes Inc. | SOT223 | 4 |
| SOT-223 | Infineon | SOT223 | 4 |
| SOT-223 | ON Semi | SOT223 | 4 |

Types with * show footprint compatibility only

Package cross reference list

| Type | Competitor | Nexperia | Pins/Leads |
|-----------|-------------|----------------------|------------|
| SOT-223 | ST | SOT223 | 4 |
| SOT-223 | Diodes Inc. | SOT223 | 3 |
| SOT-223 | ON Semi | SOT223 | 3 |
| SOT-323 | Diodes Inc. | SOT323 | 3 |
| SOT-323 | ST | SOT323 | 3 |
| SOT-363 | Diodes Inc. | SOT363 | 6 |
| SOT-89 | ON Semi | SOT89 | 3 |
| SOT063* | ON Semi | DFN1010B-6 (SOT1216) | 6 |
| SOT223 | Diodes Inc. | SOT223 | 4 |
| SOT223 | FalRchild | SOT223 | 4 |
| SOT223 | Infineon | SOT223 | 4 |
| SOT223 | ON Semi | SOT223 | 4 |
| SOT223 | Vishay | SOT223 | 4 |
| SOT23 | AOS | SOT23 | 3 |
| SOT23 | Diodes Inc. | SOT23 | 3 |
| SOT23 | Infineon | SOT23 | 3 |
| SOT23 | ON Semi | SOT23 | 3 |
| SOT23 | Semtech | SOT23 | 3 |
| SOT23 | ST | SOT23 | 3 |
| SOT23 | Vishay | SOT23 | 3 |
| SOT23-3 | AOS | SOT23 | 3 |
| SOT23-3 | Diodes Inc. | SOT23 | 3 |
| SOT23-3 | ON Semi | SOT23 | 3 |
| SOT23-5 | AOS | SOT457 | 6 |
| SOT23-5 | Diodes Inc. | SOT457 | 6 |
| SOT23-6 | Diodes Inc. | SOT457 | 6 |
| SOT23-6 | ST | SOT457 | 6 |
| SOT23-6L | Semtech | SOT457 | 6 |
| SOT23F | Diodes Inc. | SOT23 | 3 |
| SOT23F | Toshiba | SOT23 | 3 |
| SOT26 | Diodes Inc. | SOT457 | 6 |
| SOT323 | Diodes Inc. | SOT323 | 3 |
| SOT323 | FalRchild | SOT323 | 3 |
| SOT323 | Infineon | SOT323 | 3 |
| SOT353 | Diodes Inc. | SOT353 | 5 |
| SOT353 | Diodes Inc. | SOT363 | 6 |
| SOT353 | Vishay | SOT353 | 5 |
| SOT363 | Diodes Inc. | SOT363 | 6 |
| SOT363 | Infineon | SOT363 | 6 |
| SOT523 | Diodes Inc. | DFN1006-3 (SOT883) | 3 |
| SOT523F | FalRchild | DFN1006-3 (SOT883) | 3 |
| SOT723-3* | ON Semi | DFN1010D-3 (SOT1215) | 3 |
| SOT723* | ON Semi | DFN1010D-3 (SOT1215) | 3 |
| SOT89 | Diodes Inc. | SOT89 | 3 |

| Type | Competitor | Nexperia | Pins/Leads |
|---------------------|----------------------|-----------------------|------------|
| SOT89 | Infineon | SOT89 | 3 |
| SOT89-3L | Diodes Inc. | SOT89 | 3 |
| SOT963 | ON Semi | DFN1010-6 (SOT891) | 6 |
| SOT963* | Diodes Inc. | DFN1010B-6 (SOT1216) | 6 |
| SRP-F | Renesas | SOD123W | 2 |
| SS CSP2 | Toshiba | DFN1006-3 (SOT883) | 3 |
| SSD3/SST3 | Rohm | SOT23 | 3 |
| SSM | Toshiba | DFN1006-3 (SOT883) | 3 |
| SSOT3 | FalRchild | SOT23 | 3 |
| SSOT6 | FalRchild | SOT457 | 6 |
| SSOT6 FLMP | FalRchild | SOT457 | 6 |
| SST3 | Rohm | SOT23 | 3 |
| SST3/SSD3 | Rohm | SOT23 | 3 |
| ST01005 | STM | DSN0402-2 (SOD992) | 2 |
| Stmite flat | ST | SOD123W | 2 |
| sTOLL (PG-HSOF-5) | Infineon | LFPAK88 (SOT1235) | 4 |
| Sub SMA | Taiwan Semiconductor | CFP3 (SOD123W) | 2 |
| T0263 | Diodes Inc. | D2PAK(SOT404) | 3 |
| T0263-3 | Infineon | D2PAK (SOT404) | 3 |
| Thin PowerPAK SC-70 | Vishay | DFN2020-6 (SOT1118) | 6 |
| Thin PowerPAK SC70 | Vishay | DFN2020MD-6 (SOT1220) | 6 |
| Thin PowerPAK SC75* | Vishay | DFN2020MD-6 (SOT1220) | 6 |
| TO-200 real 2pin | Infineon | TO-220-2 (SOT8021) | 2 |
| TO-220 | ST | TO-220 (SOT78) | 3 |
| TO-220 | Toshiba | TO-220 (SOT78) | 3 |
| TO-220 | Vishay | TO-220 (SOT78) | 3 |
| TO-220 FP | Onsemi | TO-220-2 (SOT8021) | 2 |
| TO-220-2 | Cree | TO-220-2 (SOT8021) | 2 |
| TO-220-2 | Onsemi | TO-220-2 (SOT8021) | 2 |
| TO-220-2L | Littelfuse | TO-220-2 (SOT8021) | 2 |
| TO-220-2L | Ween | TO-220-2 (SOT8021) | 2 |
| TO-220-3 | ON Semi | TO-220 (SOT78) | 3 |
| TO-220-3L | ON Semi | TO-220 (SOT78) | 3 |
| TO-220A | Rohm | TO-220-2 (SOT8021) | 2 |
| TO-220AB | Vishay | TO-220 (SOT78) | 3 |
| TO-220AB | ST | TO-220-2 (SOT8021) | 2 |
| TO-220AC | ST | TO-220-2 (SOT8021) | 2 |
| TO-220AC | Rohm | TO-220-2 (SOT8021) | 2 |
| TO-220AC2L | Rohm | TO-220-2 (SOT8021) | 2 |
| TO-220F-3FS | ON Semi | TO-220 (SOT78) | 3 |
| TO-220FM | Rohm | TO-220 (SOT78) | 3 |
| TO-220S | Renesas | D2PAK (SOT404) | 3 |
| TO-220SM | Toshiba | D2PAK (SOT404) | 3 |

Types with * show footprint compatibility only

Package cross reference list

| Type | Competitor | Nexperia | Pins/Leads |
|---------------------|-------------|------------------------|------------|
| TO-247 | ST | TO-247-2 (SOT8022) | 2 |
| TO-247 | Littelfuse | TO-247-2 (SOT8022) | 2 |
| TO-247 | Rohm | TO-247-2 (SOT8022) | 2 |
| TO-247 real 2pin | Infineon | TO-247-2 (SOT8022) | 2 |
| TO-247-2 | Cree | TO-247-2 (SOT8022) | 2 |
| TO-247-2 | Onsemi | TO-247-2 (SOT8022) | 2 |
| TO-247-2L | Ween | TO-247-2 (SOT8022) | 2 |
| TO-252-2 | Cree | DPAK RP2 (SOT8017) | 2 |
| TO-252-2L | Littelfuse | DPAK RP2 (SOT8017) | 2 |
| TO-262 | Renesas | I2PAK (SOT226) | 3 |
| TO-262 | Vishay | I2PAK (SOT226) | 3 |
| TO-262-2L | ON Semi | I2PAK (SOT226) | 3 |
| TO-262-3L | ON Semi | I2PAK (SOT226) | 3 |
| TO-263 | Renesas | D2PAK-7 (SOT427) | 7 |
| TO-263 | Renesas | D2PAK (SOT404) | 3 |
| TO-263 | Vishay | D2PAK (SOT404) | 3 |
| TO-263 3-lead | Vishay | D2PAK (SOT404) | 3 |
| TO-263 real 2pin | Infineon | D2PAK R2P (SOT8018) | 2 |
| TO-263-2L | ON Semi | D2PAK (SOT404) | 3 |
| TO-263-2L | Littelfuse | D2PAK R2P (SOT8018) | 2 |
| TO-263AB | Vishay | D2PAK (SOT404) | 3 |
| TO-273-2 | Cree | D2PAK R2P (SOT8018) | 2 |
| TO-277 | ON Semi | CFP15B (SOT1289B) | 3 |
| TO-277A | Rohm | CFP15B (SOT1289B) | 3 |
| TO-LL | ON Semi | LFPK88 (SOT1235) | 4 |
| TO-LL (PG-HSOF-8-1) | Infineon | LFPK88 (SOT1235) | 4 |
| TO220 | Infineon | TO-220 (SOT78) | 3 |
| TO220-3 | Diodes Inc. | TO-220 (SOT78) | 3 |
| TO262 | Infineon | I2PAK (SOT226) | 3 |
| TO263 | Diodes Inc. | D2PAK (SOT404) | 3 |
| TOLG (PG-HSOG-8) | Infineon | LFPK88 (SOT1235) | 4 |
| TSLP-2-1 | Infineon | DFN1006-2 (SOD882) | 2 |
| TSLP-2-7/-17 | Infineon | DFN1006D-2 (SOD882D) | 2 |
| TSLP-3-1, -15 | Infineon | DFN1006B-3 (SOT883B) | 3 |
| TSLP-3-4 | Infineon | DFN1006-3 (SOT883) | 3 |
| TSLP-9-1 | Infineon | DFN2510A-10 (SOT 1176) | 10 |
| TSMT5* | Rohm | SOT457 | 6 |
| TSMT6 | Rohm | SOT457 | 6 |
| TSNP-2-2 | Infineon | DFN1608D-2 (SOD 1608) | 2 |
| TSON Advance | Toshiba | LFPK33 (SOT1210) | 8 |
| TSOP-6 | Renesas | SOT457 | 6 |
| TSOP-6/ TSOP6 | Vishay | SOT457 | 6 |
| TSOP6 | AOS | SOT457 | 6 |
| TSOP6 | ON Semi | SOT457 | 6 |

| Type | Competitor | Nexperia | Pins/Leads |
|-------------------------|-------------|-----------------------|------------|
| TSOP6 | Vishay | SOT457 | 6 |
| TSSLP-2-1 | Infineon | DSN0603-2 (SOD962) | 2 |
| TSST8* | Rohm | DFN2020MD-6 (SOT1220) | 6 |
| TUMT3 | Rohm | SOT323 | 3 |
| TUMT5* | Rohm | DFN2020-6 (SOT1118) | 6 |
| TUMT6* | Rohm | DFN2020-6 (SOT1118) | 6 |
| Type B 2.0 x 2.0 x 0.6 | | | |
| U-DFN2020-3 | Diodes Inc. | DFN2020-3 (SOT1061) | 3 |
| U-DFN2020-6 | Diodes Inc. | DFN2020MD-6 (SOT1220) | 6 |
| U-DFN2523-6* | Diodes Inc. | DFN2020MD-6 (SOT1220) | 6 |
| U-WLB1510-6 | Diodes Inc. | WLCSP6 | 6 |
| U-WLB1515-9 | Diodes Inc. | WLCSP9 | 9 |
| U-WLB1515-9 (Type B) | Diodes Inc. | WLCSP9 | 9 |
| U-WLB1515-9 (Type E) | Diodes Inc. | WLCSP9 | 9 |
| UDFN 1.7 x 1.35, 0.4P | ON Semi | DFN1714U-8 (SOT983) | 8 |
| UDFN-6 WDFN6 | ON Semi | DFN2020MD-6 (SOT1220) | 6 |
| UDFN10 2.5 x 1, 0.5P | ON Semi | DFN2510A-10 (SOT1176) | 10 |
| UDFN12 2.5 x 1.35, 0.4P | ON Semi | DFN2514-12 (SOT1167) | 12 |
| UDFN2020-6 Type B | Diodes Inc. | DFN2020-6 (SOT1118) | 6 |
| UDFN2020-6 Type E | Diodes Inc. | DFN2020MD-6 (SOT1220) | 6 |
| UDFN6 | ON Semi | DFN2020MD-6 (SOT1220) | 6 |
| UDFN6 | Toshiba | DFN2020-6 (SOT1118) | 6 |
| UDFN6B | Toshiba | DFN2020MD-6 (SOT1220) | 6 |
| UF6 | Toshiba | SOT363 | 6 |
| UF6/ USV/ US6 | Toshiba | SOT363 | 6 |
| UFP | Renesas | SOD523 | 2 |
| UMD2 | Rohm | SOD323F | 2 |
| UMD3/UMT3 | Rohm | SOT323 | 3 |
| UMD5/UMT5 | Rohm | SOT353 | 5 |
| UMD6/ UMT6 | Rohm | SOT363 | 6 |
| UMLP 1.6 x 1.6* | Falrchild | DFN2020MD-6 (SOT1220) | 6 |
| UMT3 | Rohm | SOT323 | 3 |
| UMT3F* | Rohm | SOT323 | 3 |
| UMTS/ UMD5 | Rohm | SOT353 | 5 |
| UMT6 | Rohm | SOT363 | 6 |
| UMT6/ UMD6 | Rohm | SOT363 | 6 |
| UPAK (SOT89) | Renesas | SOT89 | 3 |
| URP | Renesas | SOD323 | 2 |
| US-Flat | Toshiba | SOD323F | 2 |
| US6 | Toshiba | SOT363 | 6 |
| US6/ UF6/ USV | Toshiba | SOT363 | 6 |
| use | Toshiba | SOD323 | 2 |
| USM | Toshiba | SOT323 | 3 |
| USV | Toshiba | SOT353 | 5 |

Types with * show footprint compatibility only

Package cross reference list

| Type | Competitor | Nexperia | Pins/ Leads |
|-----------------------|-------------------|-----------------------|----------------|
| USV | Toshiba | SOT363 | 6 |
| USV/ US6/ UF6/ | Toshiba | SOT363 | 6 |
| VESM* | Toshiba | DFN1010D-3 (SOT1215) | 3 |
| VML0806* | Rohm | DFN1006B-3 (SOT883B) | 3 |
| VML1006 | Rohm | DFN1006-3 (SOT883) | 3 |
| VMN2* | Rohm | DFN1006-2 (SOD882) | 2 |
| VMN2* | Rohm | DFN1006D-2 (SOD882D) | 2 |
| VMN3* | Rohm | DFN1006-3 (SOT883) | 3 |
| VMT3* | Rohm | DFN1010D-3 (SOT1215) | 3 |
| VMT6* | Rohm | DFN1010B-6 (SOT1216) | 6 |
| VS6 | Toshiba | SOT457 | 6 |
| W-DFN3020-8* | Diodes Inc. | DFN2020-6 (SOT1118) | 6 |
| WCSP6C | Toshiba | WLCSP6 | 6 |
| WDFN-8 | ON Semi | LFPK33 (SOT1210) | 8 |
| WDFN3 | ON Semi | DFN2020-3 (SOT1061) | 3 |
| WDFN6 | ON Semi | DFN2020-6 (SOT1118) | 6 |
| WDFN6 | ON Semi | DFN2020MD-6 (SOT1220) | 6 |
| WLCSP 1 x 1* | FalRchild | WLCSP4 | 3 |
| WLCSP-4* | FalRchild | WLCSP4 | 3 |
| WLCSP-4* | ON Semi | WLCSP4 | 3 |
| WLCSP1.6 x 1.6* | AOS | WLCSP6 | 6 |
| WLCSP2 | ON Semi | DSN0603-2 (SOD962) | 2 |
| WLL-2-2 | Infineon | DSN0402-2 (SOD992) | 2 |
| WLL-2-2 | Infineon | DSN0402B-2 (SOD992B) | 2 |
| WLP 1.0 x 1.5 | Texas Instruments | WLCSP6 | 6 |
| WLP1.5 x 1.5* | Texas Instruments | DFN2020MD-6 (SOT1220) | 6 |
| WLPLO x 1.0* | Texas Instruments | DFN1010D-3 (SOT1215) | 3 |
| WLPLO x 1.5* | Texas Instruments | DFN2020MD-6 (SOT1220) | 6 |
| X1 -DFN 1006-3 | Diodes Inc. | DFN1006-3 (SOT883) | 3 |
| X1-DFN1212-3* | Diodes Inc. | DFN1010D-3 (SOT1215) | 3 |
| X1-DFN1616-6* | Diodes Inc. | DFN2020MD-6 (SOT1220) | 6 |
| X1-WLB0808-4 | Diodes Inc. | WLCSP4 | 4 |
| X2-DFN0606-3 | Diodes Inc. | DFN0606 (SOT8001) | 3 |
| X2-DFN0806-3 | Diodes Inc. | DFN1006-3 (SOT883) | 3 |
| X2-DFN1006-2 | Diodes Inc. | DFN1006D-2 (SOD882D) | 2 |
| X2-DFN1006-3 | Diodes Inc. | DFN1006B-3 (SOT883B) | 3 |
| X2-DFN1010-3 | Diodes Inc. | DFN1010D-3 (SOT1215) | 3 |
| X2-DFN1310-6* | Diodes Inc. | DFN1010B-6 (SOT1216) | 6 |
| X2-DFN2015-3* | Diodes Inc. | DFN2020MD-6 (SOT1220) | 6 |
| X2-DFN2020-6 | Diodes Inc. | DFN2020MD-6 (SOT1220) | 6 |
| X2-WLB0808-4 | Diodes Inc. | WLCSP4 | 4 |
| X2-WLB0808-4 (Type B) | Diodes Inc. | WLCSP4 | 4 |
| X3-DFN0603-2 | Diodes Inc. | DFN0603-2 (SOD972E) | 2 |
| X3-DFN0603-2 | Diodes Inc. | DSN0603-2 (SOD962) | 2 |

Types with * show footprint compatibility only

| Type | Competitor | Nexperia | Pins/ Leads |
|--------------|-------------|-----------------------|----------------|
| X3DFN-2 | ON Semi | DSN0603-2 (SOD962) | 2 |
| X3DFN2 | ON Semi | DFN0603-2 (SOD972E) | 2 |
| XDFN3 | ON Semi | DFN1006-3 (SOT883) | 3 |
| XI-DFN1006-2 | Diodes Inc. | DFN1006-2 (SOD882) | 2 |
| XLLGA-3 | ON Semi | DFN0606 (SOT8001) | 3 |
| μ8FL | ON Semi | LFPK33 (SOT1210) | 8 |
| μQFN-10L | ST | DFN2510A-10 (SOT1176) | 10 |
| μQFN-2L | ST | DFN1006-2 (SOD882) | 2 |

Package cross reference matrix

| Pins/ leads | Nexperia | Industry standard names | Size (L x w x h) (mm) | P _{tot} (mW) | Package | Competitor synonyms | | | | | | | | |
|--------------------------------|--------------------------------|-------------------------------|-----------------------------|--------------------------|---------|------------------------|--|---|---|---------------------------------------|--|---|---|------------------|
| | | | | | | Rohm | Toshiba | ON Semi | Renesas | Infineon | Diodes Inc | ST | Vishay | Semtech |
| 2 | DSN0402-2 (SOD992) | | 0.4 x 0.2 x 0.12 | | | SMD0402 | CL2 | DSN2 0.4 x 0.2 | | | | ST01005 | | SLP- 0402P2X3 |
| | DSN0402B-2 (SOD992B) | | 0.43 x 0.23 x 0.12 | | | | | | | | | | | |
| | DFN0603-2 (SOD972E) | | 0.63 x 0.33 x 0.25 | | | | SL2 | X3DFN2 | | | X3-DFN0603-2 | | SGP- 0603P2X3 | |
| | DSN1006-2 (SOD993) | | 1.0 x 0.6 x 0.3 | | | | | DSN2 1.0 x 0.6 | | | | | | |
| | DSN1006U-2 (SOD995) | | 1.0 x 0.6 x 0.3 | | | | | DSN2 1.0 x 0.6 | | | | | | |
| | DFN1006-2 (SOD882) | | 1.0 x 0.6 x 0.48 | 250 | | (VMN2) | CTS2 (FSC) | (SOD923-2) | | TSLP-2-1 | XI-DFN1006-2 | SOD 882 uQFN-2L | LLP1006-2M LLP1006-2L | SLP1006P2 |
| | DFN1006D-2 (SOD882D) | | 1.0 x 0.6 x 0.37 | 250 | | (VMN2) | CTS2 (FSC) | DSN2 1.0 x 0.6 | | TSLP-2-7/ -17 | X2-DFN1006-2 | SOD882T | LLP1006-2L LLP1006-2M | SLP1006P2T |
| | DFN1608D-2 (SOD1608) | | 1.6 x 0.8 x 0.37 | 780 | | | KMD2 | DSN2 1.6 x 0.8 | | TSNP-2-2 | | | | SLP1610N2 |
| | DPAK R2P (SOT8017) | TO-252 | 6.1 x 6.6 x 2.3 | | | | | DPAK | | DPAK | | DPAK | | |
| | D2PAK R2P (SOT8018) | TO-263 | 11 x 10 x 4.3 | | | | TO-263AB | D2PAK | | D2PAK | | D2PAK | | |
| | DSN0603-2 (SOD962) | | 0.6 x 0.3 x 0.3 | 525 | | GMD2 | SC2 | DSN2, X3DFN-2 WLCSF2 | MP6 | TSSLP-2-1 | X3-DFN0603-2 | DFN2 | CLP0603 | SLP- 0603P2X3 |
| | SOD80C | Mini-Melf | 3.5 x 1.5 x 1.5 | 300 | | | | | LLD | | MiniMelf | MiniMelf | MiniMelf | |
| | SOD123F | | 2.6 x 1.6 x 1.1 | 830 | | | | | | | | SOD-123 | | |
| | CFP3 (SOD123W) | | 2.6 x 1.7 x 1.0 | 950 | | SOD-123FL | | SOD-123FL | | | SOD123F | SOD- 123W Sub SMA | SMF | |
| | CFP5 (SOD128) | | 3.8 x 2.5 x 1.0 | 1050 | | SOD-128 | | | | | SMAFS | SOD-128 | SlimSMAW | |
| | SOD323 | SC-76 | 1.7 x 1.25 x 0.95 | 400 | | | USC | SOD-323 | URP | SOD323 | SOD-323 | SOD-323 | SOD323 | SOD323 |
| | CFP2-HP (SOD323HP) | | 2.2 x 1.3 x 0.68 | | | SOD-323HE | | SOD-323EP | | | PowerDI323 | | MicroSMP | |
| | SOD323F | SC-90 | 1.7 x 1.25 x 0.7 | 830 | | UMD2 | US-Flat | | | | | | | |
| | SOD523 | SC-79 | 1.2 x 0.8 x 0.6 | 500 | | EMD2 | ESC/TESC | SOD-523 | UFP | SC79 | SOD523 | SOD-523 | SOD523 | SOD523 |
| | TO-220-2 (SOT8021) | TO-220 | 10 x 15.6 x 4.4 | | | TO-220 | TO-220 | TO-220 | TO-220 | TO-220 | | | TO-220 | TO-220 |
| TO-247-2 (SOT8022) | TO-247 | 15.9 x 20.9 x 5 | | | TO-247 | TO-247 | TO-247 | | TO-247 | | | TO-247 | TO-247 | |
| 3 | CFP15B (SOT1289B) | | 5.8 x 4.3 x 0.95 | 2150 | | TO-277A | | TO-277 | | | PowerDi5 | SMPC SMPC4.0 | SMPC | |
| | DFN1006-3 (SOT883) | SC-101 | 1.0 x 0.6 x 0.48 | 250 | | VML1006 | SS CSP2 | XDFN3 | | TSLP-3-4 | X1 -DFN 1006-3 | | SLP1006P3 | |
| | DFN1006B-3 (SOT883B) | | 1.0 x 0.6 x 0.37 | 250 | | VML1006 | CST3 | XDFN3 | | TSLP-3-1, -15 | X2-DFN1006-3 | | SLP1006P3T | |
| | DFN1010D-3 (SOT1215) | | 1.1 x 1.0 x 0.37 | 325 | | (VMT3) | (VESM) | (SOT723) | | | X2-DFN1010-3 | | | |
| | DFN2020-3 (SOT1061) | HUSON3 | 2.0 x 2.0 x 0.62 | 1300 | | | | WDFN3 | | | U-DFN2020-3 Type B 2.0 x 2.0 x 0.6 | | PowerPAK SC706L | |
| | DFN2020D-3 (SOT1061D) | | 2.0 x 2.0 x 0.62 | 1300 | | | | WDFN3 | | | U-DFN2020-3 Type B 2.0 x 2.0 x 0.6 | | PowerPAK SC706L | |
| | D ² PAK (SOT404) | | 11.0 x 11.0 x 4.3 | | | LPDS/ LPTS | TO-220SM D ² PAK | D ² PAK D ² PAK 3 TO-263-2L | TO-220S / SMD TO-263 LPPAK(S)-(1) MP-25Z | D ² PAK, PG- TO263-3 | TO263 (D ² PAK) | D ² PAK, H ² PAK-2 | TO-263 3-lead TO-263AB / D ² PAK TO-263 | |
| | SOT23 | | 2.9 x 1.3 x 1.0 | 250 | | SSD3/ SST3 | S-Mini TSM | SOT-23 | MPAK | SOT23 | SOT-23 | SOT23 | SOT23 | SOT23 |
| | SOT89 | SC-62 | 4.5 x 2.5 x 1.5 | 1300 | | MPT3 | PW-Mini | SOT-89 | UPAK (SOT89) | SOT89 | SOT89 | | | |
| | SOT323 | SC-70 | 2.0 x 1.25 x 0.95 | 200 | | UMD3/ UMT3 TUMT3 | USM | SC-70 | CMAK/ CMPAK | SOT323 | SOT-323 | SOT-323 | SC-70 3 leads | SOT-323 |
| | TO-220 (SOT78) | | 15.6 x 10 x 4.4 | | | TO-220FM | TO-220 | TO-220-3L, TO-220F-3FS, TO-220-3 | MP-25(K) | PG- TO220-3, TO220 | TO220-3 | TO-220 | TO-220, TO- 220AB | |
| I ² PAK (SOT226) | | 11 x 10 x 4.3 | | | | | I ² PAK, TO-262-2L, TO-262-3L | MP-25SK, TO-262 | | | I ² PAK | TO-262 | | |

Types in brackets (...) show footprint compatibility only

Package cross reference matrix

| Pins/ leads | Nexperia | Industry standard names | Size (l x w x h) (mm) | P _{tot} (mW) | Package | Competitor synonyms | | | | | | | | |
|----------------|------------------------|-------------------------------|-----------------------------|--------------------------|---|----------------------|---------------------|---|-----------------|--|-------------------|--|---|------------|
| | | | | | | Rohm | Toshiba | ON Semi | Renesas | Infineon | Diodes Inc | ST | Vishay | Semtech |
| 4 | LFPAK56 (SOT669) | Power-S08 | 4.9 x 4.45 x 1.0 | 395W |  | HSOP8 (Single) | SOP / DSOP Advance | SO-8 FL, DFN-5, LFPAK4 | LFPAK56, HSON-8 | PG-TD-SON-8 | Power-Di5060-8 | Power-FLAT (6x5) | PowerPAK SO-8(L) | |
| | SOT143B | | 2.9 x 1.3 x 1.0 | 250 |  | | CP4 | | MPAK-4R | SOT143 | SOT-143 | | SOT-143 | |
| | LFPAK56E (SOT1023) | | 6.2 x 5.3 x 1.1 | 500W |  | HSOP8 (Single) | SOP / DSOP Advance | SO-8 FL, DFN-5, LFPAK8 | LFPAK56, HSON-8 | PG-TD-SON-8 | Power-Di5060-8 | Power-FLAT (6x5) | PowerPAK SO-8(L) | |
| | SOT223 | SC-73 | 6.5 x 3.5 x 1.65 | 1700 |  | | | SOT-223 | | SOT223 | SOT-223 | | SOT223 | |
| | LFPAK88 (SOT1235) | | 8 x 8 x 1.6 | 375W |  | | D ² PAK+ | TO-LL Power88 D ² PAK-3 D ² PAK-7 | | TO-LL sTOLL TOLG D ² PAK D ² PAK7P | | D ² PAK H ² PAK-2 H ² PAK-6 | PowerPAK 8x8L D ² PAK-3 D ² PAK-7 | |
| 5 | SOT353 | SC-88 A | 2.0 x 1.25 x 0.95 | 300 |  | UMD5/UMT5 | USV | SC-88 A | CMPAK-SC0 | | SOT353 | | SOT353 | SC70-5L |
| 6 | DFN1010-6 (SOT891) | XSON6 | 1.0 x 1.0 x 0.48 | |  | | CS6 | SOT963 | | | | | | |
| | DFN1010B-6 (SOT1216) | | 1.1 x 1.0 x 0.37 | 350 |  | (VMT6) | (FS6) | (SOT063) | | | (SOT963) | | | |
| | DFN1410-6 (SOT886) | XSON6 | 1.45 x 1.0 x 0.48 | 250 |  | | | | | | | | | SLP1510N6 |
| | DFN2020-6 (SOT1118) | | 2.0 x 2.0 x 0.62 | 1300 |  | HU-ML2020L8 (Dual) | UDFN6 | 6 Lead DFN WDFN6 | | | UDFN2020-6 Type B | | PowerPAK SC-70 Thin PowerPAK SC-70 | |
| | DFN2020D-6 (SOT1118D) | | 2.0 x 2.0 x 0.62 | 1300 |  | HU-ML2020L8 (Dual) | UDFN6 | 6 Lead DFN WDFN6 | | | UDFN2020-6 Type B | | PowerPAK SC-70 Thin PowerPAK SC-70 | |
| | DFN-2020MD-6 (SOT1220) | | 2.0 x 2.0 x 0.62 | 1250 |  | HU-ML2020L8 (Single) | UDFN6B | UDFN-6 WDFN6 | | | UDFN2020-6 Type E | | PowerPAK SC-70 Thin PowerPAK SC-70 | |
| | SOT363 | SC-88 | 2.0 x 1.25 x 0.95 | 300 |  | UMD6/UMT6 | US6 UF6 USV | SC-88 | CMPAK-6 | SOT363 | SOT-363 | | SC70-6 | SC70-6L |
| | SOT457 | SC-74 | 2.9 x 1.5 x 1.0 | 750 |  | SMD6/SMT6 | SM6 VS-6 | SC-74 TSOP-6 | TSOP-6 | SC74 TSOP6 | SOT23-6 SOT26 | | TSOP6 TSOP-6 | SOT23-6L |
| 8 | LFPAK33 (SOT1210) | | 3.3 x 3.3 x 0.85 | 790 |  | HSMT8 | TSON Advance | µ8FL, WDFN-8 | | PG-TSD-SON-8 | Power Di3333-8 | Power FLAT 3.3 x 3.3 | PowerPAK 1212-8 | |
| | LFPAK56D (SOT1205) | | 4.9 x 4.45 x 1.0 | 680 |  | HSOP8 (Dual) | | SO-8FL Dual, DFN-8 | HSON-8 dual | PG-TDSON-8 | Power Di5060-8 | Power FLAT 5x6 Dual | PowerPAK SO-8L Dual | |
| | DFN1714-8 (SOT 1166) | HUSON8 | 1.7 x 1.35 x 0.52 | |  | | | | | | | | | SLP1713P8 |
| | DFN1714U-8 (SOT983) | HXSON8 | 1.7 x 1.35 x 0.48 | |  | | | UDFN 1.7 x 1.35, 0.4P | | | | | | SLP1713P8 |
| 10 | DFN2510-10 (SOT 1165) | XSON10 | 2.5 x 1.0 x 0.48 | |  | | | UDFN10 2.5 x 1, 0.5P | | TSLP-9-1 | | pQFN-10L | | SLP1610P4 |
| | DF-N2510A-10 (SOT1176) | XSON10 | 2.5 x 1.0 x 0.48 | |  | | | UDFN10 2.5 x 1, 0.5P | | TSLP-9-1 | | pQFN-10L | | SLP1610P4 |
| | DFN2626-10 (SOT 1197) | | 2.6 x 2.6 x 0.48 | |  | | | UDFN10 2.6 x 2.6, 0.5P | | | | | | SLP2626P10 |
| 12 | DFN2512-12 (SOT 1158) | HXSON12 | 2.5 x 1.2 x 0.48 | |  | | | UDFN12, 2.5 x 1.2, 0.4P | | | | | | |
| | DFN2514-12 (SOT 1167) | HUSON12 | 2.5 x 1.35 x 0.53 | |  | | | UDFN12, 2.5 x 1.35, 0.4P | | | | | | SLP2513P12 |
| 16 | DFN3312-16 (SOT 1159) | HXSON16 | 3.3 x 1.2 x 0.48 | |  | | | UDFN 16, 3.5 x 1.2, 0.4P | | | | | | |
| | DFN3314-16 (SOT 1168) | HUSON16 | 3.3 x 1.35 x 0.53 | |  | | | | | | | | | SLP3313P16 |

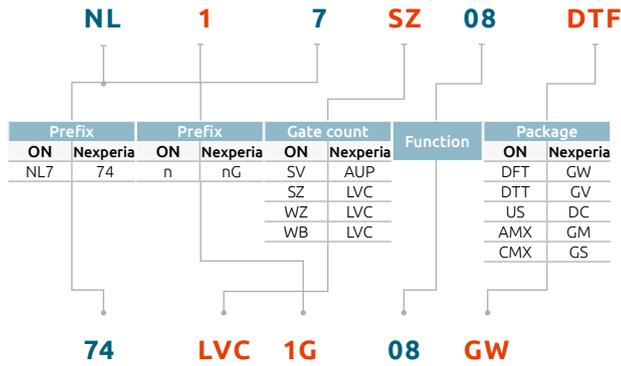
Types in brackets (...) show footprint compatibility only

Competitive cross reference - Logic

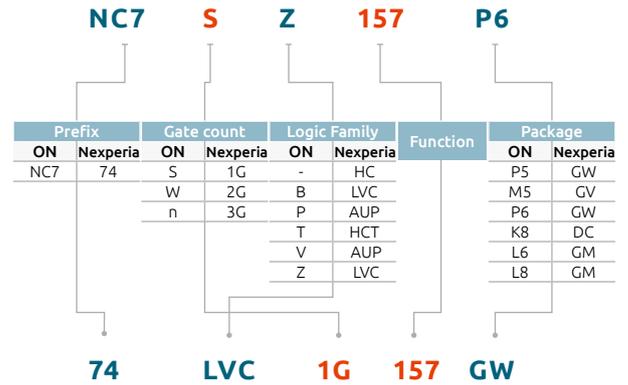
Competitive cross reference - Analog & logic ICs

This cross reference allows you to match a competitor's part number to a Nexperia part number. Once you have the equivalent part number, check the Nexperia website www.nexperia.com/logic to confirm that the particular configuration is released.

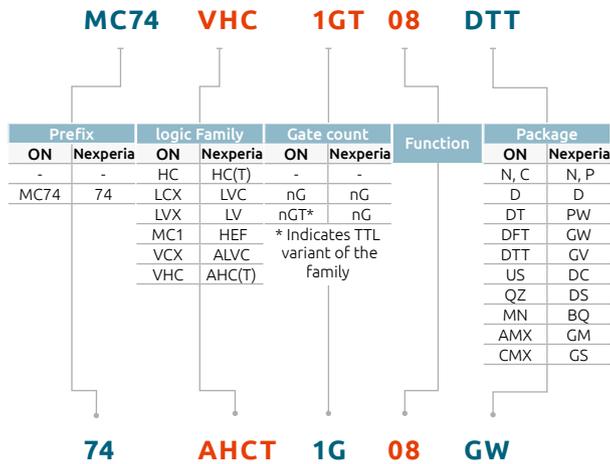
On semiconductor low pin count logic



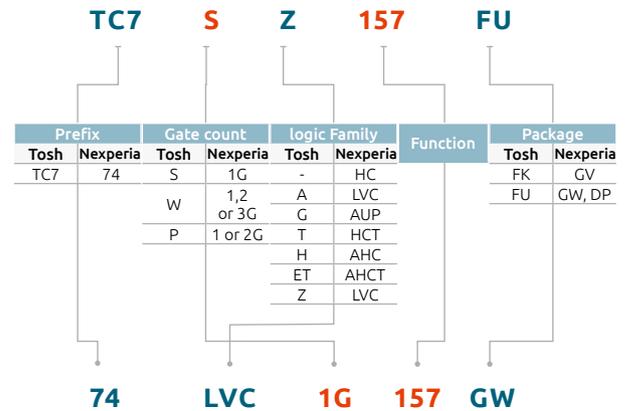
ON semiconductor tiny logic



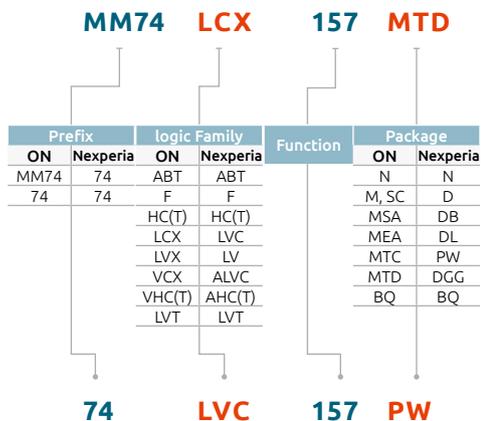
On semiconductors logic



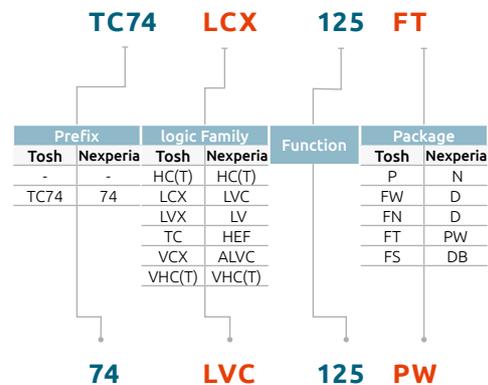
Toshiba one gate



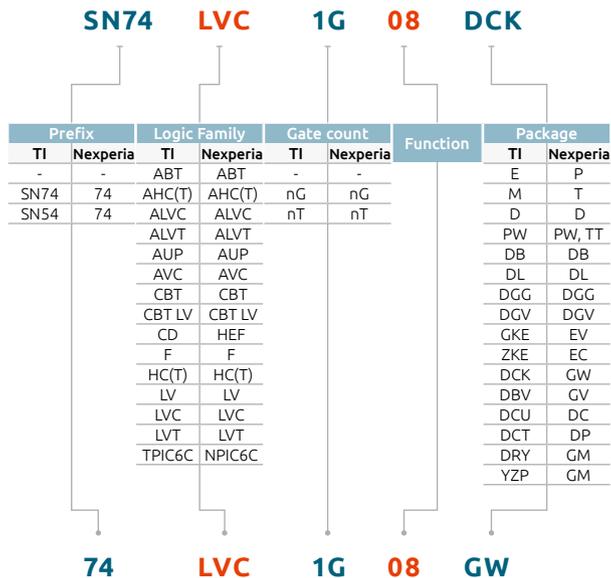
ON semiconductor standard logic



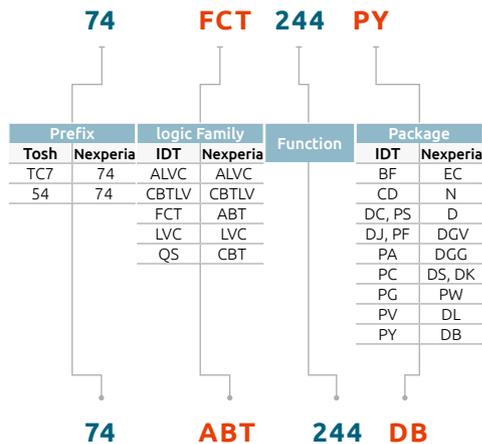
Toshiba standard logic



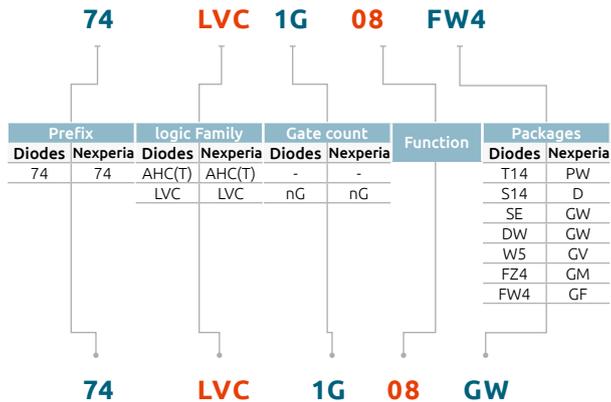
Texas instruments logic



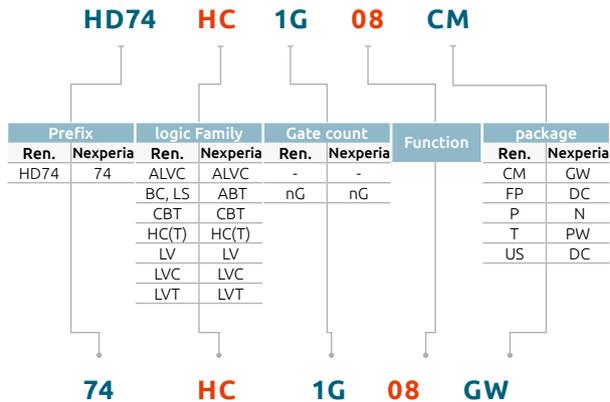
IDT logic



Diodes Inc. logic



Renesas logic



Product orientation (tape and reel pack)

| 2 pin packages | Orientation in tape | Package | Packing 12NC ending | Orientation in tape | Package | Packing 12NC ending |
|----------------|---------------------|------------------------|---------------------|------------------------------|---------|---------------------|
| | | | DFN1006-2 (SOD882) | 315 | | DPAK (SOT8017) |
| | | DFN1006D-2 (SOD882D) | 315 | D ² PAK (SOT8018) | | 118 |
| | | DFN1608D-2 (SOD1608) | 315 | | | |
| | | DFN1006BD-2 (SOD882BD) | 315 | | | |
| | | DSN0603-2 (SOD962) | 315 | | | |
| | | DFN0603-2 (SOD972E) | 317 | | | |
| | | DFN0603-3 (SOT8013) | 317 | | | |
| | | DSN0402-2 (SOD992) | 315 | | | |
| | | DSN0402B-2 (SOD992B) | 315 | | | |
| | | DSN1006-2 (SOD993) | 315 | | | |
| | | DSN1006-2 (SOD993B) | 315 | | | |
| | | DSN1006U-2 (SOD995) | 315 | | | |
| | | DSN1608-2 (SOD963&964) | 315 | | | |
| | | SOD80 | 115, 135 | | | |
| | | SOD123F | 115 | | | |
| | | CFP3 (SOD123W) | 115 | | | |
| | | SOD123 | 115, 118 | | | |
| | | CFP5 (SOD128) | 115 | | | |
| | | CFP2-HP (SOD323HP) | 115 | | | |
| | | SOD323 | 115, 135 | | | |
| | SOD323F | 115 | | | | |
| | SOD523 | 115, 135, 315, 335 | | | | |

| 3 pin packages | Orientation in tape | Package | Packing 12NC ending | Orientation in tape | Package | Packing 12NC ending |
|----------------|---------------------|----------------------|---------------------|-----------------------------|---------------------|----------------------|
| | | | SOT89 | 146 | | DFN1010D-3 (SOT1215) |
| | | | | DFN2020-3 (SOT1061) | | 115, 135 |
| | | | | DFN2020D-3 (SOT1061D) | | 115, 135 |
| | | | | SOT89 | | 115, 135 |
| | | | | D ² PAK (SOT404) | | 118 |
| | | | | SOT89 | | 147 |
| | | | | CFP15 (SOT1289) | | 139, 146 |
| | | | | CFP15B (SOT1289B) | | 139 |
| | | | | DSN1006 (SOT8007) | | 326 |
| | | | | DSN1010-3 (SOT8007) | | 315 |
| | | DFN1006-3 (SOT883) | 315 | | DFN0606-3 (SOT8001) | 125 |
| | | DFN1006B-3 (SOT883B) | 315 | | | |
| | | SOT23 | 185, 215, 235 | | | |
| | | SOT323 | 115, 135 | | | |
| | | SOT416 | 115, 135 | | | |
| | | SOT663 | 115 | | | |

| 4 pin packages | Orientation in tape | Package | Packing 12NC ending | Orientation in tape | Package | Packing 12NC ending |
|----------------|---------------------|---------------------------|---------------------|---------------------|---------|---------------------|
| | | | WLCSP4 (0808) | 084 | | |
| | | LFPAK56 (SOT669) | 115 | | | |
| | | LFPAK56E (SOT1023) | 115 | | | |
| | | LFPAK56-UL2595 (SOT1023A) | 115 | | | |
| | | LFPAK88 (SOT1235) | 118 | | | |
| | | SOT143B | 215, 235 | | | |
| | | SOT223 | 115, 135 | | | |
| | | DFN1010-4 (SOT1194) | 115 | | | |

| 5 pin packages | Orientation in tape | Package | Packing 12NC ending | Orientation in tape | Package | Packing 12NC ending |
|----------------|---------------------|------------------|---------------------|---------------------|---------|---------------------|
| | | | WLCSP5 (1208) | 087 | | SOT353 |
| | | | | SOT665 | | 115 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | SOT753 | 125 | | | |
| | | X2SON5 (SOT1226) | 125 | | | |
| | | UMTS (SOT353-1) | 125 | | | |
| | | SO5 (SOT753) | 125 | | | |

Types in **bold red** are in development, types in **bold** represent new products

| Type number | Page Number | Type number | Page Number | Type number | Page Number | Type number | Page Number | Type number | Page Number |
|--------------|-------------|------------------|-------------|------------------|-------------|-----------------|-------------|-------------------|-------------|
| 1PS10SB82 | 63 | 74ABT162245A | 171 | 74AHC125 | 164 | 74AHCT04A | 164 | 74ALVC32-Q100 | 146 |
| 1PS70SB20 | 68 | 74ABTH162245A | 171 | 74AHC125-Q100 | 144 | 74AHCT04-Q100 | 144 | 74ALVC74 | 182 |
| 1PS70SB82 | 63 | 74AHC00 | 174 | 74AHC126 | 164 | 74AHCT07A | 164 | 74ALVC125 | 165 |
| 1PS70SB84 | 63 | 74AHC00-Q100 | 146 | 74AHC126-Q100 | 144 | 74AHCT08 | 173 | 74ALVC125-Q100 | 144 |
| 1PS70SB85 | 63 | 74AHC1G00 | 174 | 74AHC132 | 174 | 74AHCT08-Q100 | 146 | 74ALVC244 | 165 |
| 1PS70SB86 | 63 | 74AHC1G00-Q100 | 157 | 74AHC132 | 179 | 74AHCT14 | 164 | 74ALVC245 | 171 |
| 1PS745B23 | 68 | 74AHC1G02 | 176 | 74AHC132-Q100 | 147 | 74AHCT14 | 179 | 74ALVC373 | 184 |
| 1PS765B10 | (-Q) | 74AHC1G02-Q100 | 157 | 74AHC138 | 187 | 74AHCT14A | 164 | 74ALVC374 | 182 |
| 1PS765B17 | 63 | 74AHC1G04 | 164 | 74AHC138-Q100 | 151 | 74AHCT14-Q100 | 147 | 74ALVC541 | 165 |
| 1PS765B21 | (-Q) | 74AHC1G04-Q100 | 155 | 74AHC139 | 187 | 74AHCT17A | 164 | 74ALVC541-Q100 | 144 |
| 1PS765B21 | (-Q) | 74AHC1G07 | 164 | 74AHC139-Q100 | 151 | 74AHCT17A | 179 | 74ALVC573 | 184 |
| 1PS765B40 | (-Q) | 74AHC1G07-Q100 | 155 | 74AHC157 | 188 | 74AHCT30 | 174 | 74ALVC574 | 182 |
| 1PS765B70 | (-Q) | 74AHC1G08 | 173 | 74AHC157-Q100 | 151 | 74AHCT30-Q100 | 146 | 74ALVC16244 | 165 |
| 1PS795B10 | (-Q) | 74AHC1G08-Q100 | 157 | 74AHC164 | 185 | 74AHCT32 | 175 | 74ALVC16245 | 171 |
| 1PS795B17 | 63 | 74AHC1G09 | 173 | 74AHC164-Q100 | 149 | 74AHCT32-Q100 | 146 | 74ALVC164245 | 191 |
| 1PS795B30 | (-Q) | 74AHC1G09-Q100 | 157 | 74AHC244 | 164 | 74AHCT74 | 182 | 74ALVC164245-Q100 | 152 |
| 1PS795B31 | (-Q) | 74AHC1G14 | 164 | 74AHC244-Q100 | 144 | 74AHCT74-Q100 | 147 | 74ALVCH16244 | 165 |
| 1PS795B40 | (-Q) | 74AHC1G14 | 179 | 74AHC245 | 171 | 74AHCT86 | 177 | 74ALVCH16245 | 171 |
| 1PS795B70 | (-Q) | 74AHC1G14-Q100 | 159 | 74AHC245-Q100 | 145 | 74AHCT86-Q100 | 146 | 74ALVCH16373 | 184 |
| 1PS885B48 | (-Q) | 74AHC1G17 | 164 | 74AHC257 | 188 | 74AHCT123A | 189 | 74ALVCH16374 | 182 |
| 1PS885B82 | 63 | 74AHC1G17 | 179 | 74AHC257-Q100 | 151 | 74AHCT123A-Q100 | 152 | 74ALVCH16500 | 171 |
| 1PS300 | (-Q) | 74AHC1G17-Q100 | 155 | 74AHC273 | 182 | 74AHCT125 | 164 | 74ALVCH16501 | 171 |
| 1PS301 | (-Q) | 74AHC1G32 | 175 | 74AHC273-Q100 | 147 | 74AHCT125-Q100 | 144 | 74ALVCH16543 | 171 |
| 1PS302 | (-Q) | 74AHC1G32-Q100 | 157 | 74AHC373 | 184 | 74AHCT126 | 164 | 74ALVCH16600 | 171 |
| 2N700BKM | 118 | 74AHC1G66 | 193 | 74AHC374 | 182 | 74AHCT126-Q100 | 144 | 74ALVCH16601 | 171 |
| 2N7002AK-Q | 108 | 74AHC1G66-Q100 | 163 | 74AHC374-Q100 | 147 | 74AHCT132 | 174 | 74ALVCH16646 | 171 |
| 2N7002AKQB-Q | 108 | 74AHC1G79 | 182 | 74AHC541 | 164 | 74AHCT132 | 179 | 74ALVCH16652 | 171 |
| 2N7002AKS-Q | 108 | 74AHC1G79-Q100 | 160 | 74AHC541-Q100 | 144 | 74AHCT132-Q100 | 147 | 74ALVCH16821 | 182 |
| 2N7002AKW-Q | 108 | 74AHC1G86 | 177 | 74AHC573 | 184 | 74AHCT138 | 187 | 74ALVCH16823 | 182 |
| 2N7002BK | 108 | 74AHC1G86-Q100 | 157 | 74AHC573-Q100 | 148 | 74AHCT138-Q100 | 151 | 74ALVCH16825 | 165 |
| 2N7002BKMB | 118 | 74AHC1G125 | 164 | 74AHC574 | 182 | 74AHCT139 | 187 | 74ALVCH16827 | 165 |
| 2N7002BKS | 108 | 74AHC1G125-Q100 | 155 | 74AHC594 | 185 | 74AHCT139-Q100 | 151 | 74ALVCH16841 | 184 |
| 2N7002BKW | 108 | 74AHC1G126 | 164 | 74AHC594-Q100 | 149 | 74AHCT157 | 188 | 74ALVCH16843 | 184 |
| 2N7002KQB | 108 | 74AHC1G126-Q100 | 155 | 74AHC595 | 185 | 74AHCT157-Q100 | 151 | 74ALVCH16952 | 171 |
| 2N7002NXAK | 123 | 74AHC1G4208 | 186 | 74AHC595-Q100 | 149 | 74AHCT164 | 185 | 74ALVCH162244 | 165 |
| 2N7002NXBK | 123 | 74AHC1G4208-Q100 | 160 | 74AHC9541A | 164 | 74AHCT164-Q100 | 149 | 74ALVCH162245 | 171 |
| 2PA1576Q | (-Q) | 74AHC1G4210 | 186 | 74AHCT00 | 174 | 74AHCT240 | 164 | 74ALVCH162601 | 171 |
| 2PA1576R | (-Q) | 74AHC1G4210-Q100 | 160 | 74AHCT00-Q100 | 146 | 74AHCT240-Q100 | 144 | 74ALVCH162827 | 165 |
| 2PA1576S | (-Q) | 74AHC1G4212 | 186 | 74AHCT1G00 | 174 | 74AHCT244 | 165 | 74ALVT16244 | 165 |
| 2PA1774QM | (-Q) | 74AHC1G4212-Q100 | 160 | 74AHCT1G00-Q100 | 157 | 74AHCT244A | 165 | 74ALVT16373 | 184 |
| 2PA1774RM | (-Q) | 74AHC1G4214 | 186 | 74AHCT1G02 | 176 | 74AHCT244-Q100 | 144 | 74ALVT16821 | 182 |
| 2PA17745M | (-Q) | 74AHC1G4214-Q100 | 160 | 74AHCT1G02-Q100 | 157 | 74AHCT245 | 171 | 74ALVT16823 | 182 |
| 2PB709ARL | (-Q) | 74AHC1G4215 | 186 | 74AHCT1G04 | 164 | 74AHCT245A | 171 | 74ALVT16827 | 165 |
| 2PB709ART | (-Q) | 74AHC1G4215-Q100 | 160 | 74AHCT1G04-Q100 | 155 | 74AHCT245-Q100 | 145 | 74ALVT162245 | 171 |
| 2PB709ARW | 23 | 74AHC1GU04 | 164 | 74AHCT1G08 | 173 | 74AHCT257 | 188 | 74ALVT162821 | 182 |
| 2PB709ASL | (-Q) | 74AHC1GU04-Q100 | 155 | 74AHCT1G08-Q100 | 157 | 74AHCT257-Q100 | 151 | 74ALVT162823 | 182 |
| 2PB709ASW | 23 | 74AHC02 | 176 | 74AHCT1G14 | 164 | 74AHCT273 | 182 | 74ALVT162827 | 165 |
| 2PB709BRL | (-Q) | 74AHC2G00 | 174 | 74AHCT1G14 | 179 | 74AHCT273-Q100 | 147 | 74AUP1G00 | 174 |
| 2PB709BSL | 23 | 74AHC2G00-Q100 | 157 | 74AHCT1G14-Q100 | 159 | 74AHCT374 | 182 | 74AUP1G00-Q100 | 154 |
| 2PB710ARL | (-Q) | 74AHC2G08 | 173 | 74AHCT1G17 | 164 | 74AHCT374-Q100 | 147 | 74AUP1G02 | 176 |
| 2PB710ASL | (-Q) | 74AHC2G08-Q100 | 157 | 74AHCT1G17 | 179 | 74AHCT541 | 165 | 74AUP1G02-Q100 | 157 |
| 2PB1219AQ | 23 | 74AHC2G32 | 175 | 74AHCT1G17-Q100 | 155 | 74AHCT541A | 165 | 74AUP1G04 | 165 |
| 2PB1219AR | 23 | 74AHC2G32-Q100 | 157 | 74AHCT1G32 | 175 | 74AHCT541-Q100 | 144 | 74AUP1G04-Q100 | 155 |
| 2PB1219AS | 23 | 74AHC2G125 | 164 | 74AHCT1G32-Q100 | 157 | 74AHCT573 | 184 | 74AUP1G06 | 165 |
| 2PC4081Q | (-Q) | 74AHC2G125-Q100 | 155 | 74AHCT1G66 | 193 | 74AHCT573-Q100 | 148 | 74AUP1G06-Q100 | 155 |
| 2PC4081R | (-Q) | 74AHC2G126 | 164 | 74AHCT1G66-Q100 | 163 | 74AHCT574 | 182 | 74AUP1G07 | 165 |
| 2PC4081S | (-Q) | 74AHC2G126-Q100 | 155 | 74AHCT1G79 | 182 | 74AHCT594 | 185 | 74AUP1G07-Q100 | 155 |
| 2PC4617QMB | 22 | 74AHC2G241 | 164 | 74AHCT1G79-Q100 | 160 | 74AHCT594-Q100 | 149 | 74AUP1G08-Q100 | 157 |
| 2PC4617RMB | 22 | 74AHC2G241-Q100 | 155 | 74AHCT1G86 | 177 | 74AHCT595 | 185 | 74AUP1G09-Q100 | 157 |
| 2PD601ARL | 22 | 74AHC02-Q100 | 146 | 74AHCT1G86-Q100 | 157 | 74AHCT595-Q100 | 149 | 74AUP1G14 | 165 |
| 2PD601ART | (-Q) | 74AHC3G04 | 164 | 74AHCT1G125 | 164 | 74AHCU04 | 165 | 74AUP1G14 | 179 |
| 2PD601ARW | (-Q) | 74AHC3G04-Q100 | 155 | 74AHCT1G125-Q100 | 155 | 74AHCU04-Q100 | 144 | 74AUP1G14-Q100 | 159 |
| 2PD601ASL | 22 | 74AHC3G14 | 164 | 74AHCT1G126 | 164 | 74AHCV05A | 165 | 74AUP1G16 | 165 |
| 2PD601ASW | (-Q) | 74AHC3G14 | 179 | 74AHCT1G126-Q100 | 155 | 74AHCV05A | 179 | 74AUP1G17 | 179 |
| 2PD601BRL | 22 | 74AHC3G14-Q100 | 159 | 74AHCT02 | 176 | 74AHCV07A | 165 | 74AUP1G17-Q100 | 159 |
| 2PD601BSL | 22 | 74AHC3GU04 | 164 | 74AHCT2G00 | 174 | 74AHCV07A | 179 | 74AUP1G18 | 187 |
| 2PD602AQL | (-Q) | 74AHC3GU04-Q100 | 155 | 74AHCT2G00-Q100 | 157 | 74AHCV14A | 165 | 74AUP1G19 | 187 |
| 2PD602ARL | 22 | 74AHC04 | 164 | 74AHCT2G08 | 173 | 74AHCV14A | 179 | 74AUP1G32 | 175 |
| 2PD602ASL | (-Q) | 74AHC04-Q100 | 144 | 74AHCT2G08-Q100 | 157 | 74AHCV17A | 165 | 74AUP1G32-Q100 | 157 |
| 2PD1820AR | (-Q) | 74AHC08 | 173 | 74AHCT2G32 | 175 | 74AHCV17A | 179 | 74AUP1G34 | 165 |
| 2PD1820AS | (-Q) | 74AHC08-Q100 | 146 | 74AHCT2G32-Q100 | 157 | 74AHCV244A | 165 | 74AUP1G34-Q100 | 155 |
| 74ABT00 | 174 | 74AHC14 | 164 | 74AHCT2G125 | 165 | 74AHCV244A | 179 | 74AUP1G38 | 174 |
| 74ABT04 | 164 | 74AHC14 | 179 | 74AHCT2G125-Q100 | 155 | 74AHCV245A | 171 | 74AUP1G57 | 178 |
| 74ABT08 | 173 | 74AHC14-Q100 | 147 | 74AHCT2G126 | 165 | 74AHCV245A | 179 | 74AUP1G57 | 179 |
| 74ABT32 | 175 | 74AHC30 | 174 | 74AHCT2G126-Q100 | 155 | 74AHCV541A | 165 | 74AUP1G58 | 178 |
| 74ABT74 | 182 | 74AHC30-Q100 | 146 | 74AHCT2G241 | 165 | 74AHCV541A | 179 | 74AUP1G58 | 179 |
| 74ABT125 | 164 | 74AHC32 | 175 | 74AHCT2G241-Q100 | 155 | 74ALVC00 | 174 | 74AUP1G74 | 182 |
| 74ABT126 | 164 | 74AHC32-Q100 | 146 | 74AHCT02-Q100 | 146 | 74ALVC00-Q100 | 146 | 74AUP1G74-Q100 | 160 |
| 74ABT244 | 164 | 74AHC74 | 182 | 74AHCT3G04 | 165 | 74ALVC02 | 176 | 74AUP1G79 | 182 |
| 74ABT245 | 171 | 74AHC74-Q100 | 147 | 74AHCT3G04-Q100 | 155 | 74ALVC04 | 165 | 74AUP1G80 | 182 |
| 74ABT16240A | 164 | 74AHC86 | 177 | 74AHCT3G14 | 165 | 74ALVC08 | 173 | 74AUP1G86 | 177 |
| 74ABT16244A | 164 | 74AHC86-Q100 | 146 | 74AHCT3G14 | 179 | 74ALVC14 | 165 | 74AUP1G86-Q100 | 157 |
| 74ABT16245B | 171 | 74AHC123A | 189 | 74AHCT3G14-Q100 | 159 | 74ALVC14 | 179 | 74AUP1G97 | 178 |
| 74ABT162244 | 164 | 74AHC123A-Q100 | 152 | 74AHCT04 | 164 | 74ALVC32 | 175 | 74AUP1G97 | 179 |

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| 74AUP1G98 | 179 | 74AUP2G80 | 182 | 74CBTLV3257-Q100 | 154 | 74HC10-Q100 | 146 | 74HC365 | 167 |
| 74AUP1G125 | 165 | 74AUP2G86 | 177 | 74CBTLV3306 | 194 | 74HC11 | 173 | 74HC365-Q100 | 144 |
| 74AUP1G125-Q100 | 155 | 74AUP2G97 | 178 | 74CBTLV3384 | 194 | 74HC14 | 166 | 74HC366 | 167 |
| 74AUP1G126 | 165 | 74AUP2G97 | 179 | 74CBTLV3861 | 194 | 74HC14 | 180 | 74HC366-Q100 | 144 |
| 74AUP1G132 | 174 | 74AUP2G98 | 178 | 74CBTLVD3244 | 194 | 74HC14-Q100 | 147 | 74HC367 | 167 |
| 74AUP1G132 | 179 | 74AUP2G98 | 179 | 74CBTLVD3245 | 194 | 74HC20 | 174 | 74HC368 | 167 |
| 74AUP1G132-Q100 | 159 | 74AUP2G125 | 166 | 74CBTLVD3245-Q100 | 154 | 74HC21 | 173 | 74HC373 | 184 |
| 74AUP1G157 | 188 | 74AUP2G126 | 166 | 74CBTLVD3384 | 194 | 74HC27 | 176 | 74HC373-Q100 | 148 |
| 74AUP1G157-Q100 | 161 | 74AUP2G132 | 174 | 74CBTLVD3861 | 194 | 74HC30 | 174 | 74HC374 | 182 |
| 74AUP1G158 | 188 | 74AUP2G132 | 179 | 74HC00 | 174 | 74HC32 | 175 | 74HC377 | 183 |
| 74AUP1G175 | 182 | 74AUP2G157 | 188 | 74HC00-Q100 | 146 | 74HC42 | 187 | 74HC377-Q100 | 148 |
| 74AUP1G175-Q100 | 160 | 74AUP2G240 | 166 | 74HC1G00 | 174 | 74HC73 | 183 | 74HC390 | 186 |
| 74AUP1G240 | 165 | 74AUP2G241 | 166 | 74HC1G00-Q100 | 157 | 74HC73-Q100 | 147 | 74HC393 | 186 |
| 74AUP1G332 | 175 | 74AUP2G0604 | 178 | 74HC1G02 | 176 | 74HC74 | 183 | 74HC393-Q100 | 150 |
| 74AUP1G373 | 184 | 74AUP2G3404 | 178 | 74HC1G02-Q100 | 157 | 74HC74-Q100 | 147 | 74HC423 | 189 |
| 74AUP1G373-Q100 | 160 | 74AUP2G3407 | 178 | 74HC1G04 | 166 | 74HC75 | 184 | 74HC540 | 167 |
| 74AUP1G374 | 182 | 74AUP2GU04 | 166 | 74HC1G04-Q100 | 155 | 74HC85 | 189 | 74HC540-Q100 | 144 |
| 74AUP1G374-Q100 | 160 | 74AUP2GU04-Q100 | 155 | 74HC1G08 | 173 | 74HC86 | 177 | 74HC541 | 167 |
| 74AUP1G386 | 177 | 74AUP3G04 | 166 | 74HC1G08-Q100 | 157 | 74HC107 | 182 | 74HC541-Q100 | 144 |
| 74AUP1G0832 | 178 | 74AUP3G07 | 166 | 74HC1G14 | 166 | 74HC107-Q100 | 147 | 74HC573 | 184 |
| 74AUP1G885 | 178 | 74AUP3G14 | 166 | 74HC1G14 | 180 | 74HC109 | 182 | 74HC573-Q100 | 148 |
| 74AUP1G3208 | 178 | 74AUP3G14 | 179 | 74HC1G14-Q100 | 159 | 74HC109-Q100 | 147 | 74HC574 | 183 |
| 74AUP1G3208 | 178 | 74AUP3G16 | 166 | 74HC1G32 | 175 | 74HC112 | 182 | 74HC574-Q100 | 148 |
| 74AUP1GU04 | 165 | 74AUP3G17 | 166 | 74HC1G32-Q100 | 157 | 74HC123 | 189 | 74HC590 | 186 |
| 74AUP1T00 | 174 | 74AUP3G17 | 180 | 74HC1G66 | 193 | 74HC123-Q100 | 152 | 74HC594 | 185 |
| 74AUP1T00 | 190 | 74AUP3G34 | 166 | 74HC1G66-Q100 | 163 | 74HC125 | 166 | 74HC594-Q100 | 149 |
| 74AUP1T02 | 176 | 74AUP3G0434 | 178 | 74HC1G86 | 177 | 74HC125-Q100 | 144 | 74HC595 | 185 |
| 74AUP1T02 | 190 | 74AUP3G3404 | 178 | 74HC1G86-Q100 | 157 | 74HC126 | 166 | 74HC595-Q100 | 149 |
| 74AUP1T04 | 165 | 74AVC1T45 | 191 | 74HC1G125 | 166 | 74HC126-Q100 | 144 | 74HC597 | 185 |
| 74AUP1T04 | 190 | 74AVC1T45-Q100 | 162 | 74HC1G125-Q100 | 155 | 74HC132 | 174 | 74HC597-Q100 | 149 |
| 74AUP1T08 | 173 | 74AVC1T1004 | 190 | 74HC1G126 | 166 | 74HC132 | 180 | 74HC688 | 189 |
| 74AUP1T08 | 190 | 74AVC1T1022 | 190 | 74HC1GU04 | 166 | 74HC132-Q100 | 147 | 74HC4002 | 176 |
| 74AUP1T08-Q100 | 162 | 74AVC1T8128 | 190 | 74HC1GU04-Q100 | 155 | 74HC137 | 187 | 74HC4017 | 186 |
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| 74AUP1T14 | 190 | 74AVC2T45 | 191 | 74HC2G00 | 174 | 74HC138-Q100 | 151 | 74HC4020 | 186 |
| 74AUP1T17 | 166 | 74AVC2T45-Q100 | 162 | 74HC2G00-Q100 | 157 | 74HC139 | 187 | 74HC4020-Q100 | 150 |
| 74AUP1T17 | 190 | 74AVC2T45 | 191 | 74HC2G02 | 176 | 74HC139-Q100 | 151 | 74HC4024 | 186 |
| 74AUP1T32 | 175 | 74AVC2T245-Q100 | 162 | 74HC2G02-Q100 | 157 | 74HC151 | 188 | 74HC4024-Q100 | 150 |
| 74AUP1T32 | 190 | 74AVC4T245 | 191 | 74HC2G04 | 166 | 74HC151-Q100 | 151 | 74HC4040 | 186 |
| 74AUP1T34 | 190 | 74AVC4T245-Q100 | 152 | 74HC2G04-Q100 | 166 | 74HC153 | 188 | 74HC4040-Q100 | 150 |
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| 74AUP1T50 | 166 | 74AVC4T3144 | 190 | 74HC2G14 | 166 | 74HC157 | 188 | 74HC4051-Q100 | 153 |
| 74AUP1T50 | 190 | 74AVC4T3144-Q100 | 152 | 74HC2G14 | 180 | 74HC157-Q100 | 151 | 74HC4052 | 193 |
| 74AUP1T57 | 178 | 74AVC4TD245 | 191 | 74HC2G14-Q100 | 159 | 74HC161 | 186 | 74HC4052-Q100 | 153 |
| 74AUP1T57 | 190 | 74AVC4TD245-Q100 | 152 | 74HC2G16 | 166 | 74HC161-Q100 | 150 | 74HC4053 | 193 |
| 74AUP1T58 | 178 | 74AVC8T245 | 191 | 74HC2G17 | 166 | 74HC164 | 185 | 74HC4053-Q100 | 153 |
| 74AUP1T58 | 190 | 74AVC8T245-Q100 | 152 | 74HC2G17 | 180 | 74HC164-Q100 | 149 | 74HC4060 | 186 |
| 74AUP1T86 | 177 | 74AVC16T245 | 191 | 74HC2G17-Q100 | 159 | 74HC165 | 185 | 74HC4060-Q100 | 150 |
| 74AUP1T86 | 190 | 74AVC16T245-Q100 | 152 | 74HC2G32 | 175 | 74HC165-Q100 | 149 | 74HC4066 | 193 |
| 74AUP1T87 | 177 | 74AVC20T245 | 191 | 74HC2G32-Q100 | 158 | 74HC166 | 185 | 74HC4066-Q100 | 153 |
| 74AUP1T87 | 190 | 74AVC9112 | 166 | 74HC2G34 | 166 | 74HC166-Q100 | 149 | 74HC4067 | 193 |
| 74AUP1T97 | 178 | 74AVCH1T45 | 191 | 74HC2G34-Q100 | 156 | 74HC173 | 182 | 74HC4067-Q100 | 153 |
| 74AUP1T97 | 190 | 74AVCH1T45-Q100 | 162 | 74HC2G66 | 193 | 74HC174 | 182 | 74HC4075 | 175 |
| 74AUP1T97-Q100 | 162 | 74AVCH2T45 | 191 | 74HC2G66-Q100 | 163 | 74HC174-Q100 | 147 | 74HC4094 | 185 |
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| 74AUP1Z04 | 178 | 74AVCH8T245 | 191 | 74HC2G125-Q100 | 156 | 74HC193 | 186 | 74HC4351-Q100 | 153 |
| 74AUP1Z04-Q100 | 157 | 74AVCH16T245 | 191 | 74HC2GU04 | 167 | 74HC193-Q100 | 150 | 74HC4511 | 187 |
| 74AUP1Z125 | 178 | 74AVCH20T245 | 191 | 74HC2GU04-Q100 | 155 | 74HC237 | 187 | 74HC4514 | 187 |
| 74AUP2G00 | 174 | 74AXP1G08 | 173 | 74HC02-Q100 | 146 | 74HC237-Q100 | 151 | 74HC4514-Q100 | 151 |
| 74AUP2G00-Q100 | 146 | 74AXP1G09 | 173 | 74HC03 | 174 | 74HC238 | 187 | 74HC4520 | 186 |
| 74AUP2G00-Q100 | 157 | 74AXP1G11 | 173 | 74HC3G04 | 167 | 74HC238-Q100 | 151 | 74HC4520-Q100 | 150 |
| 74AUP2G02 | 176 | 74AXP1T45 | 191 | 74HC3G04-Q100 | 156 | 74HC240 | 166 | 74HC4538 | 189 |
| 74AUP2G04 | 166 | 74AXP2T45 | 191 | 74HC3G06 | 167 | 74HC240-Q100 | 144 | 74HC4538-Q100 | 152 |
| 74AUP2G04-Q100 | 155 | 74AXP4T245 | 191 | 74HC3G07 | 167 | 74HC241 | 166 | 74HC4851 | 193 |
| 74AUP2G06 | 166 | 74AXP8T245 | 191 | 74HC3G07-Q100 | 156 | 74HC244 | 166 | 74HC4851-Q100 | 153 |
| 74AUP2G07 | 166 | 74CB3Q3253 | 194 | 74HC3G14 | 167 | 74HC244-Q100 | 144 | 74HC4852 | 193 |
| 74AUP2G08 | 173 | 74CB3Q3257 | 194 | 74HC3G14 | 180 | 74HC245 | 171 | 74HC4852-Q100 | 153 |
| 74AUP2G14 | 166 | 74CB3Q3257-Q100 | 154 | 74HC3G14-Q100 | 159 | 74HC245-Q100 | 145 | 74HC7014 | 167 |
| 74AUP2G14 | 179 | 74CBTLV1G125 | 194 | 74HC3G16 | 167 | 74HC251 | 188 | 74HC7014 | 180 |
| 74AUP2G16 | 166 | 74CBTLV1G125-Q100 | 163 | 74HC3G34 | 167 | 74HC251-Q100 | 151 | 74HC7014-Q100 | 147 |
| 74AUP2G17 | 166 | 74CBTLV3125 | 194 | 74HC3G34-Q100 | 156 | 74HC253 | 188 | 74HC7540 | 167 |
| 74AUP2G23 | 166 | 74CBTLV3125-Q100 | 154 | 74HC3GU04 | 167 | 74HC253-Q100 | 151 | 74HC7540 | 180 |
| 74AUP2G23 | 179 | 74CBTLV3126 | 194 | 74HC3GU04-Q100 | 155 | 74HC257 | 188 | 74HC7541 | 167 |
| 74AUP2G32 | 175 | 74CBTLV3126-Q100 | 154 | 74HC03-Q100 | 146 | 74HC257-Q100 | 151 | 74HC7541 | 180 |
| 74AUP2G34 | 166 | 74CBTLV3244 | 194 | 74HC04 | 166 | 74HC259 | 184 | 74HC7541-Q100 | 147 |
| 74AUP2G38 | 174 | 74CBTLV3244-Q100 | 154 | 74HC04-Q100 | 144 | 74HC259-Q100 | 148 | 74HC9114 | 167 |
| 74AUP2G57 | 178 | 74CBTLV3245 | 194 | 74HC05 | 166 | 74HC273 | 182 | 74HC9114 | 180 |
| 74AUP2G57-Q100 | 157 | 74CBTLV3245-Q100 | 154 | 74HC05-Q100 | 144 | 74HC273-Q100 | 148 | 74HC9115 | 167 |
| 74AUP2G58 | 178 | 74CBTLV3253 | 194 | 74HC08 | 173 | 74HC280 | 189 | 74HC9115 | 180 |
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| 74HCT3G07..... | 168 | 74HCT280..... | 189 | 74LV1T04-Q100..... | 162 | 74LVC1G08-Q100..... | 158 | 74LVC2G06-Q100..... | 156 |
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| 74HCT3G14-Q100..... | 159 | 74HCT366..... | 167 | 74LV1T32..... | 175 | 74LVC1G11..... | 173 | 74LVC2G08..... | 173 |
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| 74LVC3G06 | 169 | 74LVC16373A-Q100 | 148 | 74VHC245 | 172 | BAS70LS (-Q) | 63 | BAV70S (-Q) | 56 |
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| 74LVC07A-Q100 | 145 | 74LVCH16245A-Q100 | 145 | BAL74 (-Q) | 55 | BAS521 (-Q) | 57 | BAW56 (-Q) | 55 |
| 74LVC08A | 173 | 74LVCH16373A | 184 | BAL99 (-Q) | 55 | BAS716 (-Q) | 58 | BAW56QA (-Q) | 55 |
| 74LVC8T245 | 191 | 74LVCH16373A-Q100 | 148 | BAS16GW (-Q) | 56 | BAT17 | 63 | BAW56QB (-Q) | 55 |
| 74LVC8T245-Q100 | 152 | 74LVCH16374A | 183 | BAS16H (-Q) | 56 | BAT32ALS (-Q) | 63 | BAW56S (-Q) | 55 |
| 74LVC8T595 | 185 | 74LVCH16374A-Q100 | 148 | BAS16J (-Q) | 56 | BAT32LS (-Q) | 63 | BAW56SRA | 55 |
| 74LVC8T595 | 190 | 74LVCH16541A | 169 | BAS16LD (-Q) | 56 | BAT42LS (-Q) | 63 | BAW56W (-Q) | 55 |
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| 74LVC11 | 173 | 74LVCH162245A | 171 | BAS16LS | 56 | BAT46LS (-Q) | 63 | BAW101S (-Q) | 57 |
| 74LVC14A | 168 | 74LVCH162373A | 184 | BAS16LS (-Q) | 56 | BAT46WH (-Q) | 63 | BAW156 (-Q) | 58 |
| 74LVC14A | 180 | 74LVCH162374A | 183 | BAS16 (-Q) | 56 | BAT46WJ (-Q) | 63 | BC51PA (-Q) / BC51-10PA / | |
| 74LVC14A-Q100 | 147 | 74LVCU04A | 169 | BAS16QA (-Q) | 56 | BAT54A (-Q) | 63 | BC5116PA | 26 |
| 74LVC32A | 175 | 74LVCU04A-Q100 | 145 | BAS16TH (-Q) | 58 | BAT54AW (-Q) | 63 | BC51PAS (-Q) / BC51-10PAS (-Q) | |
| 74LVC74A | 183 | 74LVCV2G66 | 193 | BAS16VY (-Q) | 56 | BAT54CM (-Q) | 63 | / BC51-16PAS (-Q) | 26 |
| 74LVC74A-Q100 | 148 | 74LVT02 | 176 | BAS16W (-Q) | 56 | BAT54C (-Q) | 63 | BC52PA (-Q) / BC52-10PA (-Q) / | |
| 74LVC86A | 177 | 74LVT04 | 169 | BAS19 (-Q) | 57 | BAT54CW (-Q) | 63 | BC52-16PA (-Q) | 26 |
| 74LVC125A | 168 | 74LVT04-Q100 | 145 | BAS20 (-Q) | 57 | BAT54CY (-Q) | 63 | BC52PAS (-Q) / BC52-10PAS (-Q) | |
| 74LVC125A-Q100 | 145 | 74LVT08 | 173 | BAS21AW (-Q) | 57 | BAT54GW | 63 | / BC52-16PAS (-Q) | 26 |
| 74LVC126A | 168 | 74LVT14 | 169 | BAS21GW (-Q) | 57 | BAT54HGW (-Q) | 63 | BC53PA (-Q) / BC53-10PA (-Q) / | |
| 74LVC126A-Q100 | 145 | 74LVT14 | 181 | BAS21H (-Q) | 57 | BAT54H (-Q) | 63 | BC53-16PA (-Q) | 26 |
| 74LVC132A | 174 | 74LVT125 | 169 | BAS21J (-Q) | 57 | BAT54J (-Q) | 63 | BC53PAS (-Q) / BC53-10PAS (-Q) / | |
| 74LVC132A | 180 | 74LVT126 | 169 | BAS21LL (-Q) | 57 | BAT54L (-Q) | 63 | BC53-16PAS (-Q) | 26 |
| 74LVC132A-Q100 | 147 | 74LVT240 | 170 | BAS21LS (-Q) | 57 | BAT54LS (-Q) | 63 | BC53PAST (-Q) / BC53-10PAST | |
| 74LVC138A | 187 | 74LVT241 | 170 | BAS21PC (-Q) | 57 | BAT54 (-Q) | 63 | (-Q) / BC53-16PAST (-Q) | 26 |
| 74LVC138A-Q100 | 151 | 74LVT244A | 170 | BAS21 (-Q) | 57 | BAT54QB (-Q) | 63 | BC54PA (-Q) / BC54-10PA (-Q) / | |
| 74LVC139 | 187 | 74LVT244A-Q100 | 145 | BAS21QB (-Q) | 57 | BAT54QC (-Q) | 63 | BC54-16PA (-Q) | 26 |
| 74LVC157A | 188 | 74LVT244B | 170 | BAS21QC (-Q) | 57 | BAT54S (-Q) | 63 | BC54PAS (-Q) / BC54-10PAS (-Q) / | |
| 74LVC157A-Q100 | 151 | 74LVT245 | 172 | BAS21SW (-Q) | 57 | BAT54SW (-Q) | 63 | BC54-16PAS (-Q) | 26 |
| 74LVC161 | 186 | 74LVT245B | 172 | BAS21TH (-Q) | 58 | BAT54VY (-Q) | 63 | BC55PA (-Q) / BC55-10PA (-Q) / | |
| 74LVC163 | 186 | 74LVT573 | 184 | BAS21VD (-Q) | 57 | BAT54W (-Q) | 63 | BC55-16PA (-Q) | 26 |
| 74LVC240A | 169 | 74LVT640 | 172 | BAS21W (-Q) | 57 | BAT54XY (-Q) | 63 | BC55PAS (-Q) / BC55-10PAS (-Q) / | |
| 74LVC244A | 169 | 74LVT2241 | 170 | BAS28 | 55 | BAT74 | 63 | BC55-16PAS (-Q) | |
| 74LVC244A-Q100 | 145 | 74LVT2244 | 170 | BAS29 | 58 | BAT74S (-Q) | 63 | / BC56-16PAST (-Q) | 26 |
| 74LVC245A | 171 | 74LVT2245 | 172 | BAS30LS (-Q) | 57 | BAT85 | 63 | BC56PA (-Q) / BC56-10PA (-Q) / | |
| 74LVC245A-Q100 | 145 | 74LVT16240A | 170 | BAS31 | 58 | BAT120A (-Q) | 69 | BC56-16PA (-Q) | 26 |
| 74LVC257A | 188 | 74LVT16244B | 170 | BAS32L | 55 | BAT120C (-Q) | 69 | BC56PAS (-Q) / BC56-10PAS (-Q) / | |
| 74LVC273 | 183 | 74LVT16245B | 171 | BAS35 | 58 | BAT120S (-Q) | 69 | BC56-16PAS (-Q) | 26 |
| 74LVC273-Q100 | 148 | 74LVT16373A | 184 | BAS40-04 (-Q) | 63 | BAT160A (-Q) | 69 | BC56PAST (-Q) / | |
| 74LVC373A | 184 | 74LVT16374A | 183 | BAS40-04W (-Q) | 63 | BAT160C (-Q) | 69 | BC56-10PAST (-Q) | 26 |
| 74LVC373A-Q100 | 148 | 74LVT16543A | 171 | BAS40-05 (-Q) | 63 | BAT160S (-Q) | 69 | BC68PA (-Q) / BC68-25PA (-Q) | 26 |
| 74LVC374A | 183 | 74LVT16543A | 172 | BAS40-05W (-Q) | 63 | BAT720 (-Q) | 63 | BC68PAS (-Q) / BC68-25PAS (-Q) | 26 |
| 74LVC374A-Q100 | 148 | 74LVT162240A | 170 | BAS40-06 (-Q) | 63 | BAT720 (-Q) | 68 | BC69PA (-Q) / BC69-16PA (-Q) / | |
| 74LVC377 | 183 | 74LVT162244B | 170 | BAS40-06W (-Q) | 63 | BAT721A (-Q) | 63 | BC69-25PA (-Q) | 26 |
| 74LVC541A | 169 | 74LVT162245B | 171 | BAS40-07 (-Q) | 63 | BAT721C (-Q) | 63 | BC69PAS (-Q) / BC69-16PAS (-Q) | |
| 74LVC541A-Q100 | 145 | 74LVT162373 | 184 | BAS40DY (-Q) | 63 | BAT721 (-Q) | 63 | / BC69-25PAS (-Q) | 26 |
| 74LVC573A | 184 | 74LVT162374 | 183 | BAS40H (-Q) | 63 | BAT721S (-Q) | 63 | BC806-16H (-Q) | 26 |
| 74LVC573A-Q100 | 148 | 74LVTH125 | 170 | BAS40L (-Q) | 63 | BAT754A (-Q) | 63 | BC806-16 (-Q) | 23 |
| 74LVC574A | 183 | 74LVTH244A | 170 | BAS40LS (-Q) | 63 | BAT754C (-Q) | 63 | BC806-16W (-Q) | 23 |
| 74LVC594A | 185 | 74LVTH244A-Q100 | 145 | BAS40 (-Q) | 63 | BAT754L | 63 | BC806-25H (-Q) | 26 |
| 74LVC594A-Q100 | 149 | 74LVTH244B | 170 | BAS40VY (-Q) | 63 | BAT754 (-Q) | 63 | BC806-25 (-Q) | 23 |
| 74LVC595A | 185 | 74LVTH2245 | 172 | BAS40W (-Q) | 63 | BAT754S (-Q) | 63 | BC806-25W (-Q) | 23 |
| 74LVC2244A | 169 | 74LVTH16244B | 170 | BAS40XY (-Q) | 63 | BAT854AW (-Q) | 63 | BC807-16H (-Q) | 26 |
| 74LVC2245A | 171 | 74LVTH16245B | 172 | BAS45A | 58 | BAT854CW (-Q) | 63 | BC807-16 (-Q) | 23 |
| 74LVC4066 | 193 | 74LVTH16374A | 183 | BAS45AL | 58 | BAT854SW (-Q) | 63 | BC807-16QC (-Q) | 23 |
| 74LVC4066-Q100 | 153 | 74LVTN16244B | 170 | BAS56 | 58 | BAT854W (-Q) | 63 | BC807-16W (-Q) | 23 |
| 74LVC4245A | 191 | 74LVTN16245B | 172 | BAS70-04 (-Q) | 63 | BAV21QA (-Q) | 57 | BC807-16W (-Q) | 23 |
| 74LVC4245A-Q100 | 152 | 74VHC02 | 176 | BAS70-04W (-Q) | 63 | BAV23A (-Q) | 57 | BC807-25H (-Q) | 26 |

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| BC807-25QC (-Q) | 23 | BC847QAS | 24 | BCP53-16H (-Q) | 26 | BF821 (-Q) | 27 | BUK6Y24-40P | 105 |
| BC807-25W (-Q) | 23 | BC847RA | 24 | BCP53H (-Q) | 26 | BF822(-Q) | 27 | BUK6Y33-60P | 105 |
| BC807-40H (-Q) | 26 | BC847RAPN | 24 | BCP53T / -10T / -16T | 26 | BF823 (-Q) | 27 | BUK6Y61-60P | 105 |
| BC807-40 (-Q) | 23 | BC847W (-Q) | 22 | BCP54 (-Q) / -10 (-Q) / -16 (-Q) | 26 | BF824 | 31 | BUK7A1R0-100L | 104 |
| BC807-40QB (-Q) | 23 | BC848B (-Q) | 22 | BCP54T (-Q) / -10T (-Q) / -16T (-Q) | 26 | BF824W | 31 | BUK7A1R3-100L | 104 |
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| BC807-40W (-Q) | 23 | BC849B | 29 | BCP55T (-Q) / -10T (-Q) / -16T (-Q) | 26 | BFS19 | 31 | BUK7D36-60E | 107 |
| BC807DS (-Q) | 24 | BC849BW | 29 | BCP56-10H (-Q) | 26 | BFS20 | 31 | BUK7J1R0-40H | 99 |
| BC807K-16 | 24 | BC849C | 29 | BCP56-16H (-Q) | 26 | BFS20W | 31 | BUK7J1R4-40H | 99 |
| BC807K-25 | 24 | BC849CW | 29 | BCP56H (-Q) | 26 | BFS21AVD (-Q) | 57 | BUK7J2R4-80M | 103 |
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| BC816-16 (-Q) | 22 | BC856AQB (-Q) | 23 | BCV27 (-Q) | 29 | BSN20BK | 123 | BUK7K8R7-40E | 100 |
| BC816-16W (-Q) | 22 | BC856AQC (-Q) | 23 | BCV28 | 29 | BSP19 (-Q) | 27 | BUK7K12-60E | 101 |
| BC816-25H (-Q) | 26 | BC856AW (-Q) | 23 | BCV29 | 29 | BSP31 (-Q) | 26 | BUK7K13-60E | 101 |
| BC816-25 (-Q) | 22 | BC856BM (-Q) | 23 | BCV46 (-Q) | 29 | BSP32 / 33 | 26 | BUK7K15-80E | 103 |
| BC816-25W (-Q) | 22 | BC856B (-Q) | 23 | BCV47 (-Q) | 29 | BSP41 (-Q) | 26 | BUK7K17-60E | 101 |
| BC817-16 (-Q) | 22 | BC856BQB (-Q) | 23 | BCV48 (-Q) | 29 | BSP43 (-Q) | 26 | BUK7K17-80E | 103 |
| BC817-16QB (-Q) | 22 | BC856BQC (-Q) | 23 | BCV49 (-Q) | 29 | BSP50 (-Q) | 29 | BUK7K18-40E | 100 |
| BC817-16QC (-Q) | 22 | BC856BSH-Q | 26 | BCV61/A/B/C | 30 | BSP51 (-Q) | 29 | BUK7K23-80E | 103 |
| BC817-16W (-Q) | 22 | BC856BS (-Q) | 24 | BCV62/A/B/C | 30 | BSP52 (-Q) | 29 | BUK7K25-40E | 100 |
| BC817-25 (-Q) | 22 | BC856BW | 23 | BCV63 / B | 29 | BSP60 (-Q) | 29 | BUK7K29-100E | 104 |
| BC817-25QB (-Q) | 22 | BC856 (-Q) | 23 | BCV64B | 29 | BSP61 (-Q) | 29 | BUK7K32-100E | 104 |
| BC817-25QC (-Q) | 22 | BC856SH-Q | 26 | BCV65 | 31 | BSP62 (-Q) | 29 | BUK7K35-60E | 101 |
| BC817-25W (-Q) | 22 | BC856S (-Q) | 24 | BCV71 (-Q) | 22 | BSR14 (-Q) | 25 | BUK7K45-100E | 104 |
| BC817-40 (-Q) | 22 | BC857AM (-Q) | 23 | BCV72 (-Q) | 22 | BSR16 (-Q) | 25 | BUK7K52-60E | 101 |
| BC817-40QB (-Q) | 22 | BC857A (-Q) | 23 | BCW29 | 23 | BSR30 (-Q) / 31 (-Q) | 26 | BUK7K89-100E | 104 |
| BC817-40QC (-Q) | 22 | BC857AQB (-Q) | 23 | BCW30 | 23 | BSR33 (-Q) | 26 | BUK7K134-100E | 104 |
| BC817-40W (-Q) | 22 | BC857AQC (-Q) | 23 | BCW31 | 22 | BSR41(-Q) | 26 | BUK7M3R3-40H | 100 |
| BC817DPN (-Q) | 24 | BC857AW (-Q) | 23 | BCW32 | 22 | BSR43 (-Q) | 26 | BUK7M4R3-40H | 100 |
| BC817DS (-Q) | 24 | BC857BM (-Q) | 23 | BCW33 | 22 | BSS63 (-Q) | 23 | BUK7M5R0-40H | 100 |
| BC817K-16 | 24 | BC857B (-Q) | 23 | BCW60B | 22 | BSS63 (-Q) | 27 | BUK7M6R0-40H | 100 |
| BC817K-16H (-Q) | 26 | BC857BQB (-Q) | 23 | BCW60C | 22 | BSS84AK | 108 | BUK7M6R3-40E | 100 |
| BC817K-25 | 24 | BC857BQC (-Q) | 23 | BCW60D | 22 | BSS84AK | 125 | BUK7M6R7-40H | 100 |
| BC817K-25H (-Q) | 26 | BC857BSH-Q | 26 | BCW61B | 23 | BSS84AKM | 118 | BUK7M8R0-40E | 100 |
| BC817K-40 | 24 | BC857BS (-Q) | 24 | BCW61C | 23 | BSS84AKMB | 118 | BUK7M8R5-40H | 100 |
| BC817K-40H (-Q) | 26 | BC857BW (-Q) | 23 | BCW61D | 23 | BSS84AKQB | 108 | BUK7M9R5-40H | 100 |
| BC817 (-Q) | 22 | BC857CM (-Q) | 23 | BCW66F | 23 | BSS84AKS | 108 | BUK7M9R9-60E | 102 |
| BC817RA | 24 | BC857C (-Q) | 23 | BCW66G | 22 | BSS84AKS | 126 | BUK7M10-40E | 100 |
| BC817RAPN | 24 | BC857CQB (-Q) | 23 | BCW66H | 22 | BSS84AKW | 108 | BUK7M11-40H | 100 |
| BC817W (-Q) | 22 | BC857CQC (-Q) | 23 | BCW68F | 23 | BSS84AKW | 125 | BUK7M12-40E | 100 |
| BC846A (-Q) | 22 | BC857CW (-Q) | 23 | BCW68G | 23 | BSS138AK-Q | 108 | BUK7M12-60E | 102 |
| BC846AQB (-Q) | 22 | BC857 (-Q) | 23 | BCW68H | 23 | BSS138AKQB-Q | 108 | BUK7M15-40H | 100 |
| BC846AQC (-Q) | 22 | BC857QAS | 24 | BCW69 | 23 | BSS138AKS-Q | 108 | BUK7M15-60E | 102 |
| BC846AW (-Q) | 22 | BC857RA | 24 | BCW70 | 23 | BSS138AKW-Q | 108 | BUK7M17-80E | 103 |
| BC846BM (-Q) | 22 | BC857W (-Q) | 23 | BCW71 | 22 | BSS138BK | 108 | BUK7M19-60E | 102 |
| BC846BPNH-Q | 26 | BC858B (-Q) | 23 | BCW72 | 22 | BSS138BKS | 108 | BUK7M20-40H | 100 |
| BC846BPN (-Q) | 24 | BC858BW (-Q) | 23 | BCW89 | 23 | BSS138BKW | 108 | BUK7M21-40E | 100 |
| BC846B (-Q) | 22 | BC859B | 29 | BCX17 (-Q) | 23 | BSS138P | 108 | BUK7M22-80E | 103 |
| BC846BQB (-Q) | 22 | BC859BW | 29 | BCX18 | 23 | BSS138PS | 108 | BUK7M27-80E | 103 |
| BC846BQC (-Q) | 22 | BC859C | 29 | BCX19 (-Q) | 22 | BSS138PW | 108 | BUK7M33-60E | 102 |
| BC846BSH-Q | 26 | BC859CW | 29 | BCX51 / -10 / -16 | 26 | BST39 (-Q) | 27 | BUK7M42-60E | 102 |
| BC846BS (-Q) | 24 | BC860B | 29 | BCX51T / -10T / -16T | 26 | BST50 (-Q) | 29 | BUK7M45-40E | 100 |
| BC846BW (-Q) | 22 | BC860BW | 29 | BCX52 / -10 / -16 | 26 | BST51 (-Q) | 29 | BUK7M67-60E | 102 |
| BC846DS (-Q) | 24 | BC860C | 29 | BCX52T / -10T / -16T | 26 | BST52 (-Q) | 29 | BUK7S0R5-40H | 99 |
| BC846 (-Q) | 22 | BC860CW | 29 | BCX53 / -10 / -16 | 26 | BST60 (-Q) | 29 | BUK7S0R7-40H | 99 |
| BC846SH-Q | 26 | BC868 (-Q) / -25 (-Q) | 26 | BCX53T / -10T / -16T | 26 | BST61 (-Q) | 29 | BUK7S1R0-40H | 99 |
| BC846S (-Q) | 24 | BC869 / -16 (-Q) / -25 | 26 | BCX54 (-Q) / -10 (-Q) / -16 (-Q) | 26 | BST62 (-Q) | 29 | BUK7S1R2-40H | 99 |
| BC846W (-Q) | 22 | BCM53DS | 30 | BCX54T / -10T / -16T | 26 | BUK4D16-20 | 107 | BUK7S1R5-40H | 99 |
| BC847AM (-Q) | 22 | BCM56DS | 30 | BCX55 (-Q) / -10 (-Q) / -16 (-Q) | 26 | BUK4D38-20P | 107 | BUK7S2R0-40H | 99 |
| BC847A (-Q) | 22 | BCM61B | 30 | BCX55T / -10T / -16T | 26 | BUK4D60-30 | 107 | BUK7S2R5-40H | 99 |
| BC847AQB (-Q) | 22 | BCM62B | 30 | BCX56 / -10 / -16 | 26 | BUK4D110-20P | 107 | BUK7T1R0-100L | 104 |
| BC847AQC (-Q) | 22 | BCM846BS | 30 | BCX56T / -10T / -16T | 26 | BUK6D22-30E | 107 | BUK7T1R4-100L | 104 |
| BC847AW (-Q) | 22 | BCM846BSH-Q | 26 | BCX70G | 22 | BUK6D23-40E | 107 | BUK7V4R2-40H | 100 |
| BC847BM (-Q) | 22 | BCM847BS | 30 | BCX70H | 22 | BUK6D30-40E | 107 | BUK7Y1R0-40N | 99 |
| BC847BPNH-Q | 26 | BCM847BSH-Q | 26 | BCX70J | 22 | BUK6D38-30E | 107 | BUK7Y1R4-40H | 99 |
| BC847BPN (-Q) | 24 | BCM847DS | 30 | BCX70K | 22 | BUK6D43-40P | 107 | BUK7Y1R7-40H | 99 |
| BC847B (-Q) | 22 | BCM847QAS | 30 | BCX71H (-Q) | 23 | BUK6D43-60E | 107 | BUK7Y2R0-40H | 99 |
| BC847BQB (-Q) | 22 | BCM856BS | 30 | BCX71J (-Q) | 23 | BUK6D56-60E | 107 | BUK7Y2R5-40H | 99 |
| BC847BQC (-Q) | 22 | BCM856BSH-Q | 26 | BCX71K (-Q) | 23 | BUK6D72-30E | 107 | BUK7Y3R0-40H | 99 |
| BC847BS (-Q) | 22 | BCM856DS | 30 | BF550 | 31 | BUK6D77-60E | 107 | BUK7Y3R1-80M | 103 |
| BC847BS (-Q) | 24 | BCM857BS | 30 | BF570 | 31 | BUK6D81-80E | 107 | BUK7Y3R5-40E | 99 |
| BC847BW (-Q) | 22 | BCM857BSH-Q | 26 | BF620 (-Q) | 27 | BUK6D120-40E | 107 | BUK7Y3R5-40H | 99 |
| BC847CM (-Q) | 22 | BCM857DS | 30 | BF621 (-Q) | 27 | BUK6D120-60P | 107 | BUK7Y4R4-40E | 99 |
| BC847C (-Q) | 22 | BCM857QAS | 30 | BF622 (-Q) | 27 | BUK6D125-60E | 107 | BUK7Y4R8-60E | 101 |
| BC847CQB (-Q) | 22 | BCP51 / -10 / -16 | 26 | BF623 (-Q) | 27 | BUK6D210-60E | 107 | BUK7Y6R0-60E | 101 |
| BC847CQC (-Q) | 22 | BCP51T (-Q) / -10T (-Q) / -16T (-Q) | 26 | BF720 (-Q) | 27 | BUK6D230-80E | 107 | BUK7Y7R0-40H | 99 |
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| BUK9K35-60E | 101 | BUK9Y38-100E | 104 | BZX8850-Q series | 53 | HEF4053B-Q100 | 153 | MJPE45H11-Q | 27 |
| BUK9K35-60RA | 101 | BUK9Y41-80E | 103 | BZX8850s-Q series | 50 | HEF4060B | 186 | MJPE2873(-Q) | 27 |
| BUK9K35-100L | 104 | BUK9Y43-60E | 101 | BZX8850S-Q series | 50 | HEF4060B-Q100 | 150 | MM3Z series | 50 |
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| BUK9M6R0-40H | 100 | BUK9875-100A/CU | 105 | GAN039-650NBB | 137 | HEF4093B | 181 | MMBZ6V8A-T | 78 |
| BUK9M6R6-30E | 98 | BUK9880-55A/CU | 102 | GAN039-650NTB | 137 | HEF4093B-Q100 | 147 | MMBZ6V8AL(-Q) | 89 |
| BUK9M6R7-40H | 100 | BUK9832-55A/CU | 102 | GAN041-650WSB | 137 | HEF4094B | 185 | MMBZ6V8AT-Q | 78 |
| BUK9M7R2-40E | 100 | BUK9875-100A/CU | 105 | GAN063-650WSA (NRND) | 137 | HEF4094B-Q100 | 149 | MMBZ9V1AL-Q | 77 |
| BUK9M8R5-40H | 100 | BUK9880-55A/CU | 102 | GAN080-650EBE | 137 | HEF4104B | 190 | MMBZ9V1AL(-Q) | 89 |
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| BUK9M10-30H | 98 | BUK98180-100A/CU | 105 | GAN140-650FBE | 137 | HEF4520B | 186 | MMBZ10VAL-Q | 77 |
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| BUK9M11-40H | 100 | BXK7Q6R0-40H | 100 | GAN190-650EBE | 137 | HEF4521B | 186 | MMBZ10VA-T | 78 |
| BUK9M12-60E | 102 | BXK7Q7R5-40H | 100 | GAN190-650EBE | 137 | HEF4522B | 189 | MMBZ10VAT-Q | 77 |
| BUK9M13-80L | 103 | BXK7Q8R4-40H | 100 | GAN190-650EBE | 137 | HEF4528B-Q100 | 152 | MMBZ12VAL-Q | 89 |
| BUK9M14-40E | 100 | BXK7Q9R5-40H | 100 | GAN2R7-100CBA | 137 | HEF4538B | 189 | MMBZ12VAL(-Q) | 89 |
| BUK9M15-40H | 100 | BXK9Q4R6-40H | 100 | GAN3R9-150QBA | 137 | HEF4538B-Q100 | 152 | MMBZ12VA-T | 78 |
| BUK9M15-60E | 102 | BXK9Q4R6-40H | 100 | GAN3R9-150QBA | 137 | HEF4541B | 186 | MMBZ12VAT-Q | 78 |
| BUK9M16-100L | 105 | BXK9Q7R0-40H | 100 | GAN3R9-150QBA | 137 | HEF4541B-Q100 | 150 | MMBZ12VDL-Q | 77 |
| BUK9M17-30E | 98 | BXK9Q12-40H | 100 | GAN3R9-150QBA | 137 | HEF4543B | 187 | MMBZ12VDL(-Q) | 89 |
| BUK9M19-60E | 102 | BXK9Q14-80L | 103 | GAN3R9-150QBA | 137 | HEF4555B | 189 | MMBZ15VAL-Q | 77 |
| BUK9M20-40H | 100 | BXK9Q16-100L | 105 | GAN3R9-150QBA | 137 | HEF4555B-Q100 | 151 | MMBZ15VAL(-Q) | 89 |
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| BUK9M24-60E | 102 | BXK9Q32-100L | 105 | GANE3R9-150QBA | 137 | HEF40175B | 183 | MMBZ16VA-T | 78 |
| BUK9M24-80L | 103 | BXK9Q34-80L | 103 | | | | | | |
| BUK9M28-80E | 103 | BXK9Q39-100L | 105 | | | | | | |
| BUK9M31-60EL | 102 | BXK9Q45-80L | 103 | | | | | | |
| BUK9M34-100E | 105 | BXK9Q50-100L | 105 | | | | | | |
| BUK9M35-80E | 103 | | | | | | | | |

Types in **bold red** are in development, types in **bold** represent new products

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| MMBZ16VAT-Q | 78 | NCR420U | 28 | NHUMB11 (-Q) | 42 | NSF080120T1A1-Q | 132 | NXU0102 | 190 |
| MMBZ16VTAL-Q | 77 | NCR420Z | 28 | NHUMB13 (-Q) | 42 | NSF080120T2A1 | 132 | NXU0102-Q100 | 162 |
| MMBZ16VTAL(-Q) | 89 | NCR421PAS | 28 | NHUMD2 (-Q) | 42 | NSF080120T2A1-Q | 132 | NXU0202 | 190 |
| MMBZ18VAL-Q | 77 | NCR421U | 28 | NHUMD3 (-Q) | 42 | NUP1301 | 82 | NXU0202-Q100 | 162 |
| MMBZ18VAL(-Q) | 89 | NCR421Z | 28 | NHUMD9 (-Q) | 42 | NUP1301QA | 82 | NXU0204 | 190 |
| MMBZ18VA-T | 78 | NEH2000BY | 197 | NHUMD10 (-Q) | 42 | NUP1301U | 82 | NXU0204-Q100 | 153 |
| MMBZ18VAT-Q | 78 | NEH7100BU | 197 | NHUMD12 (-Q) | 42 | NX138AK | 123 | NXU0304 | 190 |
| MMBZ218VCL-Q | 77 | NEH7110BU | 197 | NHUMD13 (-Q) | 42 | NX138AKH | 118 | NXU0304-Q100 | 153 |
| MMBZ218VCL(-Q) | 89 | NEX10000AUB | 197 | NHUMH1 (-Q) | 42 | NX138AKM | 118 | NXU1014 | 190 |
| MMBZ20VAL-Q | 77 | NEX10000UB | 197 | NHUMH2 (-Q) | 42 | NX138AKS | 126 | NXU1014-Q100 | 153 |
| MMBZ20VAL(-Q) | 89 | NEX10001UB | 197 | NHUMH9 (-Q) | 42 | NX138BK | 123 | NXV40UN | 123 |
| MMBZ20VA-T | 78 | NEX13120FPC-Q100 | 197 | NHUMH10 (-Q) | 42 | NX138BKH | 118 | NXV50UN | 123 |
| MMBZ20VAT-Q | 78 | NEX13120PC-Q100 | 197 | NHUMH11 (-Q) | 42 | NX138BKM | 118 | NXV55UN | 123 |
| MMBZ20VAL-Q | 77 | NEX30606UA | 200 | NHUMH13 (-Q) | 42 | NX138BKS | 126 | NXV65UP | 125 |
| MMBZ20VCL(-Q) | 89 | NEX40400ADAZ | 200 | NID1100 | 199 | NX138BKW | 123 | NXV75UP | 125 |
| MMBZ27VAL-Q | 77 | NEX40400BDZ | 200 | NID1101 | 199 | NX2301P | 107 | NXV90EP | 125 |
| MMBZ27VAL(-Q) | 89 | NEX40400CDZ | 200 | NID5100 | 199 | NX3001P | 125 | NXV100XP | 125 |
| MMBZ27VA-T | 78 | NEX40400DDZ | 200 | NID5100-Q100 | 199 | NX3008CBKS | 108 | NZH series | 50 |
| MMBZ27VAT-Q | 78 | NEX40400EDZ | 200 | NID6000-Q100 | 199 | NX3008CBKS | 126 | PBHV2160Z (-Q) | 38 |
| MMBZ27VB-QB | 79 | NEX40400FDZ | 200 | NMB2227A | 25 | NX3008NBK | 108 | PBHV3160Z (-Q) | 38 |
| MMBZ27VBQB-Q | 79 | NEX80601DA | 201 | NMUX1237 | 193 | NX3008NBK | 123 | PBHV8115TLH (-Q) | 38 |
| MMBZ27VB-QC | 79 | NEX80602DA | 201 | NMUX1308 | 193 | NX3008NBKS | 108 | PBHV8115T (-Q) | 38 |
| MMBZ27VBQC-Q | 79 | NEX80605DA | 201 | NMUX1308-Q100 | 153 | NX3008NBKS | 126 | PBHV8115X (-Q) | 38 |
| MMBZ27VB-U | 79 | NEX80611DA | 201 | NMUX1309 | 193 | NX3008NBKW | 108 | PBHV8115Z (-Q) | 38 |
| MMBZ27VBU-Q | 79 | NEX80801DA | 201 | NMUX1309-Q100 | 153 | NX3008NBKW | 123 | PBHV8118T (-Q) | 38 |
| MMBZ27VCL-Q | 77 | NEX80805DA | 201 | NPS1000 | 198 | NX3008PBK | 108 | PBHV8140Z (-Q) | 38 |
| MMBZ27VCL(-Q) | 89 | NEX80806DA | 201 | NPS1001 | 198 | NX3008PBK | 125 | PBHV8215Z (-Q) | 38 |
| MMBZ27VC-T | 78 | NEX80808DA | 201 | NPS2122A | 199 | NX3008PBKS | 108 | PBHV8515QA | 38 |
| MMBZ27VCT-Q | 78 | NEX80809DA | 201 | NPS2122B | 199 | NX3008PBKS | 126 | PBHV8540T (-Q) | 38 |
| MMBZ27VS-T | 78 | NEX81801DA | 201 | NPS3005 | 198 | NX3008PBKW | 108 | PBHV8540X (-Q) | 38 |
| MMBZ27VST-Q | 78 | NEX81802DA | 201 | NPS3005-Q100 | 198 | NX3008PBKW | 125 | PBHV8540Z (-Q) | 38 |
| MMBZ27VZ-LS | 79 | NEX90230APA-Q100 | 201 | NPS3102A | 199 | NX3020NAK | 123 | PBHV8550X (-Q) | 38 |
| MMBZ27VZLS-Q | 79 | NEX90230BPA-Q100 | 201 | NPS3102B | 199 | NX3020NAKS | 126 | PBHV8560Z (-Q) | 38 |
| MMBZ33VAL-Q | 77 | NEX90515APA-Q100 | 201 | NPS4001 | 198 | NX3020NAKW | 123 | PBHV9040T (-Q) | 38 |
| MMBZ33VAL(-Q) | 89 | NEX90515BPA-Q100 | 201 | NPS4053 | 198 | NX5008NBK | 118 | PBHV9040X (-Q) | 38 |
| MMBZ33VA-T | 78 | NEX90530APA-Q100 | 201 | NPS4053 | 198 | NX5008NBKM | 118 | PBHV9040Z (-Q) | 38 |
| MMBZ33VAT-Q | 78 | NEX90530BPA-Q100 | 201 | NPS4053-Q100 | 198 | NX6008NBK | 123 | PBHV9050T (-Q) | 38 |
| MMBZ33VB-QB | 79 | NEX91207DE-Q100 | 202 | NPS4053-Q100 | 198 | NX6008NBKS | 126 | PBHV9050Z (-Q) | 38 |
| MMBZ33VBQB-Q | 79 | NEX91207DF-Q100 | 202 | NPS4069 | 198 | NX6008NBKW | 123 | PBHV9115TLH (-Q) | 38 |
| MMBZ33VB-QC | 79 | NEX5204100BYY | 202 | NSF017120C7A0 | 132 | NX6020CAKS | 126 | PBHV9115T (-Q) | 38 |
| MMBZ33VBQC-Q | 79 | NEX5204100BYY | 202 | NSF017120C7A0-Q | 132 | NX7002AKS | 126 | PBHV9115X (-Q) | 38 |
| MMBZ33VB-U | 79 | NEX5208000BYY | 202 | NSF017120L4A0 | 133 | NX7002AKW | 123 | PBHV9115Z (-Q) | 38 |
| MMBZ33VBU-Q | 79 | NEX5208000BYY | 202 | NSF017120L4A0-Q | 133 | NX7002BKH | 118 | PBHV9215Z (-Q) | 38 |
| MMBZ33VCL-Q | 77 | NGD4300D | 200 | NSF017120T1A0 | 132 | NX7002BKM | 118 | PBHV9414Z (-Q) | 38 |
| MMBZ33VCL(-Q) | 89 | NGD4300DD | 200 | NSF017120T1A0-Q | 132 | NX7002BKMB | 118 | PBHV9515QA | 38 |
| MMBZ33VC-T | 78 | NGD4300DD-Q100 | 200 | NSF017120T2A0 | 132 | NX7002BKS | 126 | PBHV9540X (-Q) | 38 |
| MMBZ33VCT-Q | 78 | NGD4300CC | 200 | NSF017120T2A0-Q | 132 | NX7002BKW | 123 | PBHV9540Z (-Q) | 38 |
| MMBZ33VS-T | 78 | NGW30765M3DFP | 140 | NSF030120D7A0 | 132 | NX7002BKXB | 126 | PBHV9560Z (-Q) | 38 |
| MMBZ33VST-Q | 78 | NGW40765H3DFP | 140 | NSF030120D7A0-Q | 132 | NXB0101 | 192 | PBLS1501Y | 37 |
| MMBZ33VZ-LS | 79 | NGW40765M3DFP | 140 | NSF030120L3A0 | 133 | NXB0101-Q100 | 162 | PBLS1502Y | 37 |
| MMBZ33VZLS-Q | 79 | NGW50765H3DFP | 140 | NSF030120L4A0 | 133 | NXB0102 | 192 | PBLS1503Y | 37 |
| NBM5100A | 197 | NGW50765M3DFP | 140 | NSF030120L4A0-Q | 133 | NXB0102-Q100 | 162 | PBLS1504Y (-Q) | 37 |
| NBM5100B | 197 | NGW60765M3DFP | 140 | NSF030120T1A0 | 132 | NXB0102UN | 210 | PBLS2001D | 37 |
| NBM7100A | 197 | NGW75765H3DF | 140 | NSF030120T1A0-Q | 132 | NXB0104 | 192 | PBLS2002D | 37 |
| NBM7100A-Q100 | 197 | NGW75765H3DFP | 140 | NSF030120T2A0 | 132 | NXB0104-Q100 | 152 | PBLS2003D | 37 |
| NBM7100B | 197 | NGW75765M3DFP | 140 | NSF030120T2A0-Q | 132 | NXB0106 | 192 | PBLS2004D | 37 |
| NBM7100B-Q100 | 197 | NHDTA114ET (-Q) | 42 | NSF040120D7A0 | 133 | NXB0106-Q100 | 152 | PBLS2021D | 37 |
| NCA9306 | 192 | NHDTA114EU (-Q) | 42 | NSF040120D7A1 | 133 | NXB0108 | 192 | PBLS2022D | 37 |
| NCA9306-Q100 | 162 | NHDTA114YT (-Q) | 42 | NSF040120D7A1-Q | 133 | NXB0108-Q100 | 152 | PBLS2023D | 37 |
| NCA9535 | 195 | NHDTA114YU (-Q) | 42 | NSF040120L3A0 | 133 | NXF6501DC-Q100 | 196 | PBLS2024D | 37 |
| NCA9535BQ-Q100 | 154 | NHDTA123JT (-Q) | 42 | NSF040120L4A0 | 133 | NXF6505ADA-Q100 | 196 | PBLS2024D | 37 |
| NCA9535PW-Q100 | 154 | NHDTA123JU (-Q) | 42 | NSF040120L4A1 | 133 | NXF6505BDA-Q100 | 196 | PBLS4001D | 37 |
| NCA9539 | 195 | NHDTA124ET (-Q) | 42 | NSF040120L4A1-Q | 133 | NXS0101 | 192 | PBLS4001Y | 37 |
| NCA9539BQ-Q100 | 154 | NHDTA124EU (-Q) | 42 | NSF040120T1A1 | 132 | NXS0101-Q100 | 162 | PBLS4002D | 37 |
| NCA9539PW-Q100 | 154 | NHDTA1432T (-Q) | 42 | NSF040120T1A1-Q | 132 | NXS0102 | 192 | PBLS4002Y (-Q) | 37 |
| NCA9555 | 195 | NHDTA1432U (-Q) | 42 | NSF040120T2A1 | 132 | NXS0102-Q100 | 162 | PBLS4003D | 37 |
| NCA9555BQ-Q100 | 154 | NHDTA144ET (-Q) | 42 | NSF040120T2A1-Q | 132 | NXS0102UN | 210 | PBLS4003Y (-Q) | 37 |
| NCA9555PW-Q100 | 154 | NHDTA144EU (-Q) | 42 | NSF060120D7A0 | 133 | NXS0104 | 192 | PBLS4004D | 37 |
| NCA9595 | 195 | NHDTA144EU (-Q) | 42 | NSF060120D7A0-Q | 133 | NXS0104-Q100 | 152 | PBLS4004Y | 37 |
| NCA9595PW-Q100 | 154 | NHDTA144EU (-Q) | 42 | NSF060120L3A0 | 133 | NXS0104UM | 210 | PBLS4005D | 37 |
| NCA9700 | 192 | NHDTA144ET (-Q) | 42 | NSF060120L4A0 | 133 | NXS0108 | 192 | PBLS4005Y (-Q) | 37 |
| NCA9701A | 192 | NHDTA144EU (-Q) | 42 | NSF060120L4A0-Q | 133 | NXS0108-Q100 | 152 | PBLS6001D | 37 |
| NCR320PAS | 28 | NHDTA144EU (-Q) | 42 | NSF060120T1A0 | 132 | NXS0506 | 192 | PBLS6002D (-Q) | 37 |
| NCR320U | 28 | NHDTA144ET (-Q) | 42 | NSF060120T1A0-Q | 132 | NXS0506-Q100 | 152 | PBLS6003D (-Q) | 37 |
| NCR320Z | 28 | NHDTA144EU (-Q) | 42 | NSF060120T2A0 | 132 | NXS0506UP | 210 | PBLS6004D | 37 |
| NCR321PAS | 28 | NHDTA124EU (-Q) | 42 | NSF060120T2A0-Q | 132 | NXT4556 | 192 | PBLS6005D | 37 |
| NCR321U | 28 | NHDTA1432T (-Q) | 42 | NSF080120D7A0 | 133 | NXT4556A | 192 | PBLS6021D (-Q) | 37 |
| NCR321Z | 28 | NHDTA1432U (-Q) | 42 | NSF080120D7A1 | 133 | NXT4556UP | 210 | PBLS6022D (-Q) | 37 |
| NCR401T | 28 | NHDTA144ET (-Q) | 42 | NSF080120D7A1-Q | 133 | NXT4557 | 192 | PBLS6023D (-Q) | 37 |
| NCR401U | 28 | NHDTA144EU (-Q) | 42 | NSF080120L3A0 | 133 | NXT4558 | 192 | PBLS6024D (-Q) | 37 |
| NCR402T | 28 | NHUMB1 (-Q) | 42 | NSF080120L4A0 | 133 | NXT4558 | 192 | PBRN113ET (-Q) | 43 |
| NCR402U | 28 | NHUMB2 (-Q) | 42 | NSF080120L4A1 | 133 | NXT4558-Q100 | 162 | PBRN1132T (-Q) | 43 |
| NCR405U | 28 | NHUMB9 (-Q) | 42 | NSF080120L4A1-Q | 133 | NXT4559 | 192 | PBRN123ET (-Q) | 43 |
| NCR420PAS | 28 | NHUMB10 (-Q) | 42 | NSF080120T1A1 | 132 | NXU0101 | 190 | PBRN123YT (-Q) | 43 |
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Types in **bold red** are in development, types in **bold** represent new products

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| PBRP113ZT (-Q) | 43 | PBSS4220PANS (-Q) | 36 | PBSS5580PA | 34 | PDTA124XM | 41 | PDTC123JU (-Q) | 40 |
| PBRP123ET (-Q) | 43 | PBSS4230PANP | 36 | PBSS5620PA | 34 | PDTA124XQC (-Q) | 41 | PDTC123TM | 40 |
| PBRP123YT (-Q) | 43 | PBSS4230PAN (-Q) | 36 | PBSS5630PA | 34 | PDTA124XT (-Q) | 41 | PDTC123TT (-Q) | 40 |
| PBSM5240PF | 38 | PBSS4230QA (-Q) | 33 | PBSS58110D | 32 | PDTA124XU (-Q) | 41 | PDTC123TU | 40 |
| PBSM5240PFH | 38 | PBSS4230T (-Q) | 33 | PBSS58110T (-Q) | 33 | PDTA143EM | 41 | PDTC123YU | 40 |
| PBSS301ND PBSS4420D (-Q) | 32 | PBSS4240DPN | 36 | PBSS58110X | 32 | PDTA143EQB (-Q) | 41 | PDTC123YQB(-Q) | 40 |
| PBSS301NX (-Q) | 32 | PBSS4240T (-Q) | 33 | PBSS58110Y | 33 | PDTA143EQC (-Q) | 41 | PDTC123YT (-Q) | 40 |
| PBSS301NZ | 32 | PBSS4240Y | 33 | PBSS58110Z (-Q) | 32 | PDTA143ET (-Q) | 41 | PDTC123YU (-Q) | 40 |
| PBSS301PD PBSS5420D | 34 | PBSS4250X | 32 | PBSS58510PA | 32 | PDTA143EU (-Q) | 41 | PDTC124EM | 40 |
| PBSS301PX (-Q) | 34 | PBSS4260PANP (-Q) | 36 | PBSS59110D | 34 | PDTA143TM | 41 | PDTC124EQB (-Q) | 40 |
| PBSS301PZ | 34 | PBSS4260PANP (-Q) | 36 | PBSS59110T (-Q) | 35 | PDTA143TM | 41 | PDTC124EQC (-Q) | 40 |
| PBSS302ND (-Q) | 32 | PBSS4260PANPS (-Q) | 36 | PBSS59110X | 34 | PDTA143TU (-Q) | 41 | PDTC124ET (-Q) | 40 |
| PBSS302NX (-Q) | 32 | PBSS4260PAN (-Q) | 36 | PBSS59110Y | 35 | PDTA143XM | 41 | PDTC124EU (-Q) | 40 |
| PBSS302NZ (-Q) | 32 | PBSS4260PANS (-Q) | 36 | PBSS59110Z (-Q) | 34 | PDTA143XQB (-Q) | 41 | PDTC124TM | 40 |
| PBSS302PD | 34 | PBSS4260QA (-Q) | 33 | PBSS59410PA | 34 | PDTA143XQC (-Q) | 41 | PDTC124TT | 40 |
| PBSS302PX (-Q) | 34 | PBSS4310PAS-Q | 32 | PCA9535 | 195 | PDTA143XT (-Q) | 41 | PDTC124TU | 40 |
| PBSS302PZ | 34 | PBSS4320T (-Q) | 33 | PCA9539 | 195 | PDTA143XU | 41 | PDTC124XM | 40 |
| PBSS303ND | 32 | PBSS4320X | 32 | PCA9555 | 195 | PDTA143ZM | 41 | PDTC124XQB (-Q) | 40 |
| PBSS303NX (-Q) | 32 | PBSS4330PA | 32 | PCMF1HDMI2BA-C | 87 | PDTA143ZQB (-Q) | 41 | PDTC124XQC (-Q) | 40 |
| PBSS303NZ | 32 | PBSS4330PAS (-Q) ²¹ | 32 | PCMF1HDMI2BA-C | 210 | PDTA143ZQC (-Q) | 41 | PDTC124XT (-Q) | 40 |
| PBSS303PD (-Q) | 34 | PBSS4330X | 32 | PCMF1HDMI2S | 87 | PDTA143ZT (-Q) | 41 | PDTC124XU (-Q) | 40 |
| PBSS303PX (-Q) | 34 | PBSS4350D (-Q) | 32 | PCMF1USB3BA/C | 87 | PDTA143ZU (-Q) | 41 | PDTC143EM | 40 |
| PBSS303PZ | 34 | PBSS4350PAS (-Q) | 32 | PCMF1USB3B/C | 87 | PDTA144EM | 41 | PDTC143EQB (-Q) | 40 |
| PBSS304ND | 32 | PBSS4350T (-Q) | 33 | PCMF1USB3S | 87 | PDTA144EQB (-Q) | 41 | PDTC143EQC (-Q) | 40 |
| PBSS304NX (-Q) | 32 | PBSS4350X | 32 | PCMF2HDMI2BA-C | 87 | PDTA144EQC (-Q) | 41 | PDTC143ET (-Q) | 40 |
| PBSS304NZ | 32 | PBSS4350Z (-Q) | 32 | PCMF2HDMI2BA-C | 210 | PDTA144ET (-Q) | 41 | PDTC143EU (-Q) | 40 |
| PBSS304PD | 34 | PBSS4360PAS (-Q) ²¹ | 32 | PCMF2HDMI2S | 87 | PDTA144EU (-Q) | 41 | PDTC143TM (-Q) | 40 |
| PBSS304PX (-Q) | 34 | PBSS4360X (-Q) | 32 | PCMF2USB3BA/C | 87 | PDTA144TM | 41 | PDTC143TT (-Q) | 40 |
| PBSS304PZ | 34 | PBSS4360Z (-Q) | 32 | PCMF2USB3B/C | 87 | PDTA144TT | 41 | PDTC143TU (-Q) | 40 |
| PBSS305ND | 32 | PBSS4480X (-Q) | 32 | PCMF2USB3S | 87 | PDTA144TU | 41 | PDTC143XM | 40 |
| PBSS305NX (-Q) | 32 | PBSS4520X (-Q) | 32 | PCMF3HDMI2BA-C | 87 | PDTA144VM | 41 | PDTC143XQB (-Q) | 40 |
| PBSS305NZ | 32 | PBSS4520Z (-Q) | 32 | PCMF3HDMI2BA-C | 210 | PDTA144VT (-Q) | 41 | PDTC143XQC (-Q) | 40 |
| PBSS305PD | 34 | PBSS4540Z (-Q) | 32 | PCMF3HDMI2S | 87 | PDTA144VU | 41 | PDTC143XT (-Q) | 40 |
| PBSS305PX (-Q) | 34 | PBSS4560PA | 32 | PCMF3USB3BA/C | 87 | PDTA144WM | 41 | PDTC143XU (-Q) | 40 |
| PBSS305PZ | 34 | PBSS4580PA | 32 | PCMF3USB3B/C | 87 | PDTA144WT (-Q) | 41 | PDTC143ZM (-Q) | 40 |
| PBSS306NX (-Q) | 32 | PBSS4620PA (-Q) | 32 | PCMF3USB3S | 87 | PDTA144WU (-Q) | 41 | PDTC143ZQB (-Q) | 40 |
| PBSS306NZ | 32 | PBSS4630PA | 32 | PDTA113EM | 41 | PDTB113EQA | 43 | PDTC143ZQC (-Q) | 40 |
| PBSS306PX (-Q) | 34 | PBSS5112PAP | 36 | PDTA113ET | 41 | PDTB113ET (-Q) | 43 | PDTC143ZT (-Q) | 40 |
| PBSS306PZ | 34 | PBSS5120T (-Q) | 35 | PDTA113EU | 41 | PDTB113EU (-Q) | 43 | PDTC143ZU (-Q) | 40 |
| PBSS2515MB | 33 | PBSS5130PAP (-Q) | 36 | PDTA113ZM | 41 | PDTB113ZQA | 43 | PDTC144EM (-Q) | 40 |
| PBSS2515YPN (-Q) | 36 | PBSS5130T (-Q) | 35 | PDTA113ZT (-Q) | 41 | PDTB113ZT (-Q) | 43 | PDTC144EQB (-Q) | 40 |
| PBSS2540MB (-Q) | 33 | PBSS5140T (-Q) | 35 | PDTA113ZU (-Q) | 41 | PDTB113ZU (-Q) | 43 | PDTC144EQC (-Q) | 40 |
| PBSS3515MB | 35 | PBSS5140U (-Q) | 35 | PDTA114EM | 41 | PDTB114EQA | 43 | PDTC144ET (-Q) | 40 |
| PBSS3540MB | 35 | PBSS5160DS (-Q) | 36 | PDTA114EQB (-Q) | 41 | PDTB114ET (-Q) | 43 | PDTC144EU (-Q) | 40 |
| PBSS4021NT (-Q) | 33 | PBSS5160PAP (-Q) | 36 | PDTA114EQC (-Q) | 41 | PDTB114EU (-Q) | 43 | PDTC144TM | 40 |
| PBSS4021NX | 32 | PBSS5160PAPS (-Q) | 36 | PDTA114ET (-Q) | 41 | PDTB123EQA | 43 | PDTC144TT | 40 |
| PBSS4021NZ (-Q) | 32 | PBSS5160QA | 35 | PDTA114EU (-Q) | 41 | PDTB123ET (-Q) | 43 | PDTC144TU (-Q) | 40 |
| PBSS4021PT (-Q) | 35 | PBSS5160T (-Q) | 35 | PDTA114TM | 41 | PDTB123EU (-Q) | 43 | PDTC144VM | 40 |
| PBSS4021PX (-Q) | 34 | PBSS5160U | 35 | PDTA114TT | 41 | PDTB123TT (-Q) | 43 | PDTC144VT (-Q) | 40 |
| PBSS4021PZ (-Q) | 34 | PBSS5220PAPS (-Q) | 36 | PDTA114TU (-Q) | 41 | PDTB123YQA | 43 | PDTC144VU (-Q) | 40 |
| PBSS4032ND ³¹ | 32 | PBSS5220T (-Q) | 35 | PDTA114YM | 41 | PDTB123YT (-Q) | 43 | PDTC144WM | 40 |
| PBSS4032NT ³¹ | 33 | PBSS5230PAP (-Q) | 36 | PDTA114YQB (-Q) | 41 | PDTB123YU (-Q) | 43 | PDTC144WT (-Q) | 40 |
| PBSS4032NX ³¹ | 32 | PBSS5230T (-Q) | 35 | PDTA114YQC (-Q) | 41 | PDTB123YU (-Q) | 43 | PDTC144WU (-Q) | 40 |
| PBSS4032NZ ³¹ | 32 | PBSS5240T (-Q) | 35 | PDTA114YT (-Q) | 41 | PDTB123ZQA | 43 | PDTC144XU (-Q) | 40 |
| PBSS4032PD ³¹ | 34 | PBSS5240Y | 35 | PDTA114YU (-Q) | 41 | PDTB123ZQA | 43 | PDTC144YU (-Q) | 40 |
| PBSS4032PT ³¹ | 35 | PBSS5240X | 35 | PDTA115EM | 41 | PDTB123ZQA | 43 | PDTC144ZM (-Q) | 40 |
| PBSS4032PX ³¹ | 34 | PBSS5250PAS (-Q) | 34 | PDTA115ET (-Q) | 41 | PDTB123ZQA | 43 | PDTC144ZQB (-Q) | 40 |
| PBSS4032PZ ³¹ | 34 | PBSS5250TH (-Q) | 35 | PDTA115EU (-Q) | 41 | PDTB123ZQA | 43 | PDTC144ZQC (-Q) | 40 |
| PBSS4041NT (-Q) | 33 | PBSS5250T (-Q) | 35 | PDTA115TM | 41 | PDTB123ZQA | 43 | PDTC144ZT (-Q) | 40 |
| PBSS4041NX | 32 | PBSS5250X | 34 | PDTA115TT | 41 | PDTB123ZQA | 43 | PDTC144ZU (-Q) | 40 |
| PBSS4041NZ | 32 | PBSS5255PAPS (-Q) | 36 | PDTA115TU | 41 | PDTB123ZQA | 43 | PDTC144ZU (-Q) | 40 |
| PBSS4041PT (-Q) | 35 | PBSS5260PAP (-Q) | 36 | PDTA123EM | 41 | PDTB123ZQA | 43 | PDTC144ZU (-Q) | 40 |
| PBSS4041PX | 34 | PBSS5260PAPS (-Q) | 36 | PDTA123ET (-Q) | 41 | PDTB123ZQA | 43 | PDTC144ZU (-Q) | 40 |
| PBSS4041PZ (-Q) | 34 | PBSS5260QA (-Q) | 35 | PDTA123EU (-Q) | 41 | PDTB123ZQA | 43 | PDTC144ZU (-Q) | 40 |
| PBSS4112PANP (-Q) | 36 | PBSS5320D | 34 | PDTA123EU (-Q) | 41 | PDTB123ZQA | 43 | PDTC144ZU (-Q) | 40 |
| PBSS4112PAN (-Q) | 36 | PBSS5320T (-Q) | 35 | PDTA123EM | 41 | PDTB123ZQA | 43 | PDTC144ZU (-Q) | 40 |
| PBSS4120T (-Q) | 33 | PBSS5320X | 34 | PDTA123EM | 41 | PDTB123ZQA | 43 | PDTC144ZU (-Q) | 40 |
| PBSS4130PANP (-Q) | 36 | PBSS5330PA | 34 | PDTA123JM | 41 | PDTB123ZQA | 43 | PDTC144ZU (-Q) | 40 |
| PBSS4130PAN (-Q) | 36 | PBSS5330PA | 34 | PDTA123JQB (-Q) | 41 | PDTB123ZQA | 43 | PDTC144ZU (-Q) | 40 |
| PBSS4130QA (-Q) | 33 | PBSS5330PAS ²¹ | 34 | PDTA123JQC (-Q) | 41 | PDTB123ZQA | 43 | PDTC144ZU (-Q) | 40 |
| PBSS4130T (-Q) | 33 | PBSS5330X | 34 | PDTA123JT (-Q) | 41 | PDTB123ZQA | 43 | PDTC144ZU (-Q) | 40 |
| PBSS4140DPN (-Q) | 36 | PBSS5330X | 34 | PDTA123JU (-Q) | 41 | PDTB123ZQA | 43 | PDTC144ZU (-Q) | 40 |
| PBSS4140T (-Q) | 33 | PBSS5330X | 34 | PDTA123TM | 41 | PDTB123ZQA | 43 | PDTC144ZU (-Q) | 40 |
| PBSS4140U (-Q) | 33 | PBSS5350D (-Q) | 34 | PDTA123TT | 41 | PDTB123ZQA | 43 | PDTC144ZU (-Q) | 40 |
| PBSS4160DPN | 36 | PBSS5350PAS (-Q) | 34 | PDTA123TU | 41 | PDTB123ZQA | 43 | PDTC144ZU (-Q) | 40 |
| PBSS4160DS (-Q) | 36 | PBSS5350TH (-Q) | 35 | PDTA123YM | 41 | PDTB123ZQA | 43 | PDTC144ZU (-Q) | 40 |
| PBSS4160PANP (-Q) | 36 | PBSS5350T (-Q) | 35 | PDTA123YQB(-Q) | 41 | PDTB123ZQA | 43 | PDTC144ZU (-Q) | 40 |
| PBSS4160PANPS | 36 | PBSS5350T (-Q) | 35 | PDTA123YT (-Q) | 41 | PDTB123ZQA | 43 | PDTC144ZU (-Q) | 40 |
| PBSS4160PAN (-Q) | 36 | PBSS5350X | 34 | PDTA123YU (-Q) | 41 | PDTB123ZQA | 43 | PDTC144ZU (-Q) | 40 |
| PBSS4160PANS (-Q) | 36 | PBSS5350Z (-Q) | 34 | PDTA124EM | 41 | PDTB123ZQA | 43 | PDTC144ZU (-Q) | 40 |
| PBSS4160QA (-Q) | 33 | PBSS5360X (-Q) | 34 | PDTA124EQB (-Q) | 41 | PDTB123ZQA | 43 | PDTC144ZU (-Q) | 40 |
| PBSS4160T (-Q) | 33 | PBSS5360Z (-Q) | 34 | PDTA124EQC (-Q) | 41 | PDTB123ZQA | 43 | PDTC144ZU (-Q) | 40 |
| PBSS4160U (-Q) | 33 | PBSS5480X (-Q) | 34 | PDTA124ET (-Q) | 41 | PDTB123ZQA | 43 | PDTC144ZU (-Q) | 40 |
| PBSS4160X (-Q) | 32 | PBSS5520X (-Q) | 34 | PDTA124EU (-Q) | 41 | PDTB123ZQA | 43 | PDTC144ZU (-Q) | 40 |
| | | PBSS5540X (-Q) | 34 | PDTA124TM | 41 | PDTB123ZQA | 43 | PDTC144ZU (-Q) | 40 |
| | | PBSS5540Z (-Q) | 34 | PDTA124TT | 41 | PDTB123ZQA | 43 | PDTC144ZU (-Q) | 40 |
| | | PBSS5560PA | 34 | PDTA124TU | 41 | PDTB123ZQA | 43 | PDTC144ZU (-Q) | 40 |

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| PESD1CANFD36L-Q | 74 | PESD2V0Y1BXM | 80 | PESD4V0Z2BCDF | 82 | PESD5V0V2BMB | 86 | PESD18VF1BBSF | 81 |
| PESD1CANFD36LS-Q | 74 | PESD2V5X1BSF | 80 | PESD5V0C1BLS-Q | 76 | PESD5V0V1BDSF | 80 | PESD18VF1BLS-Q | 77 |
| PESD1ETH1GLS-Q | 75 | PESD2V5Y1BSF | 80 | PESD5V0C1BSF | 80 | PESD5V0X1BCAL | 81 | PESD18VV1BASF | 84 |
| PESD1ETH1GXLS-Q | 75 | PESD2V8R1BSF | 80 | PESD5V0C1ULS-Q | 76 | PESD5V0X1BCL | 81 | PESD18VV1BBSF | 84 |
| PESD1ETH10L-Q | 75 | PESD2V8Y1BSF | 80 | PESD5V0C1USF | 80 | PESD5V0X1BCSF | 81 | PESD18VY1BBIF | 81 |
| PESD1ETH10LS-Q | 75 | PESD3USB3B | 87 | PESD5V0C2BDF | 82 | PESD5V0X1BL | 81 | PESD20VV1BSF | 84 |
| PESD1IVN24A-Q | 74 | PESD3USB3S | 87 | PESD5V0C2UM | 81 | PESD5V0X1BT | 81 | PESD22VF1BBSF | 84 |
| PESD1IVN24L-Q | 74 | PESD3V3C1BSF | 80 | PESD5V0C2UM-Q | 76 | PESD5V0X1UAB | 80 | PESD24VF1BBL | 81 |
| PESD1IVN24LS-Q | 74 | PESD3V3C2UM | 81 | PESD5V0F1BL | 81 | PESD5V0X1UALD | 80 | PESD24VF1BBL-Q | 77 |
| PESD1IVN27A-Q | 74 | PESD3V3F1BSF | 80 | PESD5V0F1BLD | 81 | PESD5V0X1UB | 81 | PESD24VF1BBSF | 81 |
| PESD1IVN27L-Q | 74 | PESD3V3F2UT | 80 | PESD5V0F1BLD-Q | 75 | PESD5V0X1ULD | 80 | PESD24VF1BLS-Q | 77 |
| PESD1IVN27LS-Q | 74 | PESD3V3L1BBSF | 84 | PESD5V0F1BLD-Q | 77 | PESD5V0X2UAM | 81 | PESD24VL1BA | 84 |
| PESD1USB3B | 87 | PESD3V3L1BSF | 84 | PESD5V0F1BL-Q | 75 | PESD5V0X2UAMB | 81 | PESD24VL2BT | 86 |
| PESD1USB3S | 87 | PESD3V3L1BSL | 85 | PESD5V0F1BRDL | 81 | PESD5V0X2UM | 81 | PESD24VS1UA | 84 |
| PESD1V0C1BSF | 80 | PESD3V3L1UB | 83 | PESD5V0F1BRDL-Q | 77 | PESD5V0X2UMB | 81 | PESD24VS1UB | 83 |
| PESD1V0H1BSF | 80 | PESD3V3L1UL | 83 | PESD5V0F2UT | 81 | PESD5V0X2UT | 80 | PESD24VS1UL | 83 |
| PESD1V0R1BCSF | 80 | PESD3V3L2BT | 85 | PESD5V0F1BSF | 81 | PESD5V0Y1BCSF | 80 | PESD24VS1ULD | 83 |
| PESD1V0R1BDSF | 80 | PESD3V3L2UM | 85 | PESD5V0F1USF | 80 | PESD5V0Z1BDSF | 80 | PESD24VS1ULS | 83 |
| PESD1V0R1BESF | 80 | PESD3V3L4BHC | 86 | PESD5V0F2UT | 80 | PESD5V2S2UT | 85 | PESD24VS2UAT | 85 |
| PESD1V0R1BFSF | 80 | PESD3V3L4UF | 86 | PESD5V0H1BLG-Q | 76 | PESD5V5C1BBSF | 81 | PESD24VS2UT | 85 |
| PESD1V0Y1BBSF | 80 | PESD3V3L4UG | 86 | PESD5V0H1BLL-Q | 76 | PESD5V5C1BL | 81 | PESD24VS4UD | 86 |
| PESD1V0Y1BIF | 81 | PESD3V3LSUF | 86 | PESD5V0H1BSF | 80 | PESD5V5C1BL-Q | 76 | PESD24VS5UD | 86 |
| PESD1V2Y1BSF | 80 | PESD3V3LSUY | 86 | PESD5V0H2BFG-Q | 76 | PESD5V5C1UBSF | 80 | PESD24VU1UT | 80 |
| PESD2CAN24LT-Q | 74 | PESD3V3S1BL | 84 | PESD5V0L1BA | 84 | PESD5V5C1UL | 80 | PESD24VV1BA | 84 |
| PESD2CAN24T-Q | 74 | PESD3V3S1BSF | 84 | PESD5V0L1BSF | 84 | PESD5V5C1UL-Q | 76 | PESD24VV1BBSF | 84 |
| PESD2CAN24XLT-Q | 74 | PESD3V3S1UB | 83 | PESD5V0L1BSL | 85 | PESD5V5S1BSF | 84 | PESD24VV1BL | 85 |
| PESD2CANFD24LT-Q | 74 | PESD3V3S1UL | 83 | PESD5V0L1UA | 84 | PESD5V5U1BCSF | 84 | PESD24VV1BSF | 86 |
| PESD2CANFD24LU-Q | 74 | PESD3V3S1ULS | 83 | PESD5V0L1UB | 83 | PESD5Z2.5 | 83 | PESD24VV2BT | 86 |
| PESD2CANFD24LQB-Q | 75 | PESD3V3S2UAT | 85 | PESD5V0L1UL | 83 | PESD5Z3.3 | 83 | PESD24VY1BBSF | 81 |
| PESD2CANFD24LQB-Q | 75 | PESD3V3S2UT | 85 | PESD5V0L1ULD | 83 | PESD5Z5.0 | 83 | PESD24VY1BSF | 81 |
| PESD2CANFD24LQB-Q | 75 | PESD3V3S4UD | 86 | PESD5V0L1USF | 83 | PESD5Z6.0 | 83 | PESD24VY1BA | 84 |
| PESD2CANFD24LQB-Q | 75 | PESD3V3S4UF | 86 | PESD5V0L2BT | 85 | PESD5Z7.0 | 83 | PESD27VV1BL | 85 |
| PESD2CANFD24LQB-Q | 75 | PESD3V3S5UD | 86 | PESD5V0L2UM | 85 | PESD5Z12 | 83 | PESD27VV1BSF | 84 |
| PESD2CANFD24LQB-Q | 75 | PESD3V3T1BL | 84 | PESD5V0L2UMB | 85 | PESD6V0L2UU | 85 | PESD27VV2BT | 86 |
| PESD2CANFD24LQB-Q | 75 | PESD3V3T1BLD | 85 | PESD5V0L2UU | 85 | PESD6V3S1UL | 83 | PESD30VF1BBL | 77 |
| PESD2CANFD24LQB-Q | 75 | PESD3V3T1BLS | 85 | PESD5V0L4UF | 86 | PESD6V5C1USF | 80 | PESD30VF1BBL-Q | 81 |
| PESD2CANFD24LQB-Q | 75 | PESD3V3U1BCSF | 84 | PESD5V0L4UG | 86 | PESD7V0C1BSF | 81 | PESD30VF1BLS-Q | 77 |
| PESD2CANFD24LQB-Q | 75 | PESD3V3U1UA | 84 | PESD5V0LSUF | 86 | PESD7V0H1BSF | 81 | PESD30VF1BSF | 81 |
| PESD2CANFD24LQB-Q | 75 | PESD3V3U1UB | 83 | PESD5V0LSUY | 86 | PESD7V0L1BSL | 85 | PESD30VV1BSF | 84 |
| PESD2CANFD24LQB-Q | 75 | PESD3V3U1UL | 83 | PESD5V0R1BCSF | 80 | PESD7V0R1BSF | 81 | PESD30VV1BSF | 84 |
| PESD2CANFD24LQB-Q | 75 | PESD3V3U1UT | 80 | PESD5V0R1BDSF | 80 | PESD7V1R1BCSF | 81 | PESD32VF1BLS-Q | 77 |
| PESD2CANFD24LQB-Q | 75 | PESD3V3V1BCSF | 84 | PESD5V0R1BSF | 80 | PESD7V1R1BDSF | 81 | PESD32VL1BA | 84 |
| PESD2CANFD24LQB-Q | 75 | PESD3V3V1BL | 84 | PESD5V0S1BA | 85 | PESD8V0S1UL | 83 | PESD33VV1ASF | 84 |
| PESD2CANFD24LQB-Q | 75 | PESD3V3W1BCSF | 80 | PESD5V0S1BB | 85 | PESD8V0S1ULD | 83 | PESD36VL1BA | 84 |
| PESD2CANFD24LQB-Q | 75 | PESD3V3X1BCSF | 81 | PESD5V0S1BL | 85 | PESD8V0S1ULS | 83 | PESD36VS1UJ | 84 |
| PESD2CANFD24LQB-Q | 75 | PESD3V3X1BL | 81 | PESD5V0S1BLD | 85 | PESD9V0C1BSF | 81 | PESD36VS1UL | 83 |
| PESD2CANFD33UQB-Q | 75 | PESD3V3X2UT | 80 | PESD5V0S1BLD-Q | 77 | PESD9V0V1BDSF | 81 | PESD36VS1ULS | 83 |
| PESD2CANFD36LQB-Q | 75 | PESD3V3X4UHC | 82 | PESD5V0S1BSF | 84 | PESD9V0Z1BDSF | 81 | PESD36VS2UT | 85 |
| PESD2CANFD36LQC-Q | 75 | PESD3V3Y1BSF | 80 | PESD5V0S1UA | 84 | PESD12VA-SF | 84 | PESD36VV1ASF | 84 |
| PESD2CANFD36LT-Q | 74 | PESD3V3Z1BCSF | 80 | PESD5V0S1UB | 83 | PESD12VL1BA | 84 | PESD42VS2UT | 86 |
| PESD2CANFD36LU-Q | 74 | PESD3V3Z1BSF | 80 | PESD5V0S1UJ | 84 | PESD12VL1BSL | 85 | PESD48VV2BT | 85 |
| PESD2CANFD36UQB-Q | 75 | PESD4USB3B8TBR-Q | 76 | PESD5V0S1UL | 83 | PESD12VL2BT | 85 | PHDMI2AB4 | 82 |
| PESD2CANFD36UQC-Q | 75 | PESD4USB3B8TBS-Q | 76 | PESD5V0S1ULD | 83 | PESD12VS1UA | 84 | PHDMI2BB4 | 82 |
| PESD2CANFD36UT-Q | 74 | PESD4USB3B8TTS-Q | 76 | PESD5V0S1ULS | 83 | PESD12VS1UB | 83 | PHDMI2CB4 | 82 |
| PESD2CANFD36UU-Q | 74 | PESD4USB3BCTBR-Q | 76 | PESD5V0S1USF | 83 | PESD12VS1UJ | 84 | PHDMI2FC4 | 82 |
| PESD2CANFD36VQB-Q | 75 | PESD4USB3BTBR-Q | 76 | PESD5V0S2BQA | 86 | PESD12VS1UL | 83 | PHDMI2FR4 | 82 |
| PESD2CANFD36VQC-Q | 75 | PESD4USB3BTBS-Q | 76 | PESD5V0S2BT | 86 | PESD12VS1ULD | 83 | PHDMI2FS4 | 82 |
| PESD2CANFD36VT-Q | 74 | PESD4USB3BTBS-Q | 76 | PESD5V0S2UAT | 85 | PESD12VS1ULS | 83 | PHPT60406NY (-Q) | 39 |
| PESD2CANFD36VU-Q | 74 | PESD4USB3UBTBS-Q | 76 | PESD5V0S4UD | 86 | PESD12VS2UT | 85 | PHPT60406PY (-Q) | 39 |
| PESD2CANFD54LT-Q | 74 | PESD4USB3UBTTS-Q | 76 | PESD5V0S4UF | 86 | PESD12VS5UD | 86 | PHPT60410NY (-Q) | 39 |
| PESD2CANFD54VT-Q | 74 | PESD4USB3UCTBR-Q | 76 | PESD5V0S5UD | 86 | PESD12VU1UT | 80 | PHPT60410PY (-Q) | 39 |
| PESD2CANFD60LT-Q | 74 | PESD4USB3UTBR-Q | 76 | PESD5V0U1BA | 85 | PESD12VV1BL | 85 | PHPT60415NY (-Q) | 39 |
| PESD2CANFD60VT-Q | 74 | PESD4USB3UTBS-Q | 76 | PESD5V0U1BB | 85 | PESD12VV1BLS | 85 | PHPT60415PY (-Q) | 39 |
| PESD2CANFD72LT-Q | 74 | PESD4USB3UTTS-Q | 76 | PESD5V0U1BL | 85 | PESD12VV1BSF | 84 | PHPT60603NY (-Q) | 39 |
| PESD2CANFD72VT-Q | 74 | PESD4USB5B8TBR-Q | 76 | PESD5V0U1BLD | 85 | PESD12VW1BCSF | 81 | PHPT60603PY (-Q) | 39 |
| PESD2ETH1GT-Q | 75 | PESD4USB5B8TBS-Q | 76 | PESD5V0U1UA | 84 | PESD12VY1BSF | 81 | PHPT60606NY (-Q) | 39 |
| PESD2ETH1GXT-Q | 75 | PESD4USB5B8TTS-Q | 76 | PESD5V0U1UB | 83 | PESD15VL1BA | 84 | PHPT60606PY (-Q) | 39 |
| PESD2ETH100T-Q | 75 | PESD4USB5BTBR-Q | 76 | PESD5V0U1UL | 83 | PESD15VL2BT | 86 | PHPT60610NY (-Q) | 39 |
| PESD2ETHAD-Q | 75 | PESD4USB5BTBS-Q | 76 | PESD5V0U1UT | 80 | PESD15VS1UB | 83 | PHPT60610PY (-Q) | 39 |
| PESD2ETHAX-Q | 75 | PESD4USB5BTTS-Q | 76 | PESD5V0U2BM | 86 | PESD15VS1UL | 83 | PHPT61002NYCLH (-Q) | 39 |
| PESD2ETHD-Q | 75 | PESD4USB5UBTBR-Q | 76 | PESD5V0U2BMB | 86 | PESD15VS1ULD | 83 | PHPT61002NYC (-Q) | 39 |
| PESD2ETHX-Q | 75 | PESD4USB5UBTBS-Q | 76 | PESD5V0U2BT | 86 | PESD15VS1ULS | 83 | PHPT61002PYCLH (-Q) | 39 |
| PESD2IVN24T-Q | 74 | PESD4USB5UBTTS-Q | 76 | PESD5V0U4BF | 86 | PESD15VS2UAT | 85 | PHPT61002PYC (-Q) | 39 |
| PESD2IVN24-U | 74 | PESD4USB5UTBR-Q | 76 | PESD5V0U5BF | 86 | PESD15VS2UT | 85 | PHPT61003NY (-Q) | 39 |
| PESD2IVN27-T | 74 | PESD4USB5UTBS-Q | 76 | PESD5V0V1BA | 85 | PESD15VS5UD | 86 | PHPT61003PY (-Q) | 39 |
| PESD2IVN27-U | 74 | PESD4USB5UTTS-Q | 76 | PESD5V0V1BB | 85 | PESD15VU1UT | 80 | PHPT61006NY (-Q) | 39 |
| PESD2IVN48T-Q | 74 | PESD4V0W1BCSF | 80 | PESD5V0V1BCSF | 84 | PESD15VV1BSF | 84 | PHPT61006PY (-Q) | 39 |
| PESD2USB3B | 87 | PESD4V0X2UM | 81 | PESD5V0V1BDSF | 84 | PESD15VW1ACSF | 81 | PHPT61010NY (-Q) | 39 |
| PESD2USB3S | 87 | PESD4V0Y1BBSF | 80 | PESD5V0V1BL | 84 | PESD15VW1BCSF | 81 | PHPT61010PY (-Q) | 39 |
| PESD2USB3UVT-Q | 76 | PESD4V0Y1BCSF | 80 | PESD5V0V1BLD | 85 | PESD15VW1UCSF | 80 | PHPT610030NK (-Q) | 39 |
| PESD2USB3UXT-Q | 76 | PESD4V0Y1BHSF | 80 | PESD5V0V1BLD-Q | 77 | PESD15VY1BSF | 81 | PHPT610030PK (-Q) | 39 |
| PESD2USB5UVT-Q | 76 | PESD4V0Y1BSF | 80 | PESD5V0V1BLS | 85 | PESD16VV1BSF | 84 | PHPT610035NK | 30 |
| PESD2USB5UXT-Q | 76 | PESD4V0Z1BCSF | 80 | PESD5V0V1BSF | 84 | PESD18VF1BBL | 81 | | |

Types in **bold red** are in development, types in **bold** represent new products

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| PHPT610035PK | 30 | PMCPB5530X | 121 | PMEG060V050EPE (-Q) | 67 | PMEG3005EJ (-Q) | 68 | PMEG4010EXE (-Q) | 66 |
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| PIMC31PA | 43 | PMCXB290UE | 119 | PMEG100T10ELXD (-Q) ¹⁾ | 66 | PMEG3005ELS (-Q) | 64 | PMEG4020EPA (-Q) | 66 |
| PIMC31PAS-Q | 43 | PMCXB900UE | 119 | PMEG100T20ELP (-Q) ¹⁾ | 66 | PMEG3005ESF | 64 | PMEG4020EPAS (-Q) | 64 |
| PIMC32PA | 43 | PMCXB900UE | 126 | PMEG100T20ELR (-Q) ¹⁾ | 66 | PMEG3005ET (-Q) | 68 | PMEG4020EPK (-Q) | 64 |
| PIMC32PAS-Q | 43 | PMCXB1000UE | 119 | PMEG100T20ELXD (-Q) ¹⁾ | 66 | PMEG3010AESA | 64 | PMEG4020EPP (-Q) | 66 |
| PIMC32 (-Q) | 43 | PMCXB1000UE | 126 | PMEG100T030ELPE (-Q) ¹⁾ | 67 | PMEG3010AESB | 64 | PMEG4020ETR (-Q) | 66 |
| PIMN31 | 43 | PMD2001D | 31 | PMEG100T30ELP (-Q) ¹⁾ | 67 | PMEG3010BEA (-Q) | 68 | PMEG4020ETP (-Q) | 66 |
| PIMN31PA | 43 | PMD3001D | 31 | PMEG100T30ELR (-Q) ¹⁾ | 67 | PMEG3010BEA(-Q) | 68 | PMEG4020ETR (-Q) | 66 |
| PIMN31PAS-Q | 43 | PMDPB30XN | 121 | PMEG100T050ELPE (-Q) ¹⁾ | 67 | PMEG3010BEP (-Q) | 66 | PMEG4020EXD (-Q) | 66 |
| PIMN32PA | 43 | PMDPB30XN | 126 | PMEG100T50ELP (-Q) ¹⁾ | 67 | PMEG3010BER (-Q) | 66 | PMEG4020EXE (-Q) | 66 |
| PIMN32PAS-Q | 43 | PMDPB30XNA | 108 | PMEG100T080ELPE (-Q) ¹⁾ | 67 | PMEG3010CEH (-Q) | 68 | PMEG4030AESX (-Q) | 66 |
| PIMN32 (-Q) | 43 | PMDPB55XP | 121 | PMEG100T100ELPE (-Q) ¹⁾ | 67 | PMEG3010CEJ (-Q) | 68 | PMEG4030CEP (-Q) | 66 |
| PIMP31PA | 43 | PMDPB55XP | 126 | PMEG100T120ELPE ¹⁾ | 67 | PMEG3010EB (-Q) | 68 | PMEG4030CER (-Q) | 66 |
| PIMP31PAS-Q | 43 | PMDPB55XPA | 108 | PMEG100V060EPE (-Q) | 67 | PMEG3010EGW (-Q) | 68 | PMEG4030ETP (-Q) | 66 |
| PIMP31 (-Q) | 43 | PMCPB56XNEA | 107 | PMEG100V080EPE (-Q) | 67 | PMEG3010EH (-Q) | 68 | PMEG4030ETR (-Q) | 66 |
| PIMP32PA | 43 | PMDPB56XNEA | 108 | PMEG100V100EPE (-Q) | 67 | PMEG3010EP (-Q) | 66 | PMEG4030EXE (-Q) | 66 |
| PIMP32PAS-Q | 43 | PMDPB56XNEA | 121 | PMEG1020EA (-Q) | 68 | PMEG3010ER (-Q) | 66 | PMEG4050CEP (-Q) | 67 |
| PIMP32 (-Q) | 43 | PMDPB56XNEA | 126 | PMEG1020EA (-Q) | 68 | PMEG3010ESB | 64 | PMEG4050EP (-Q) | 67 |
| PIMT1 (-Q) | 24 | PMDPB58UPE | 121 | PMEG1020EA (-Q) | 68 | PMEG3010ET (-Q) | 68 | PMEG4050ETP (-Q) | 67 |
| PIMZ2 (-Q) | 24 | PMDPB58UPE | 126 | PMEG1020EH (-Q) | 68 | PMEG3010EXD (-Q) | 66 | PMEG4050EJP (-Q) | 68 |
| PLVA600A series | 50 | PMDPB70XP | 121 | PMEG1020EJ (-Q) | 68 | PMEG3010EXE (-Q) | 66 | PMEG4050EJP (-Q) | 67 |
| PLVA600A series | 52 | PMDPB70XP | 126 | PMEG1020EJ (-Q) | 68 | PMEG3015EH (-Q) | 68 | PMEG4050EJP (-Q) | 68 |
| PMBD353 PMBD354 ¹⁾ | 63 | PMDPB70XPE | 121 | PMEG1030EH (-Q) | 68 | PMEG3015EJ (-Q) | 68 | PMEG4050EJP (-Q) | 64 |
| PMBD353 PMBD354 ¹⁾ | 63 | PMDPB70XPE | 126 | PMEG1030EJ (-Q) | 68 | PMEG3020BEP (-Q) | 66 | PMEG4050EJP (-Q) | 64 |
| PMB53904 (-Q) | 25 | PMDPB80XP | 121 | PMEG2002AESF | 64 | PMEG3020BER (-Q) | 66 | PMEG4050EJP (-Q) | 64 |
| PMB53906 (-Q) | 25 | PMDPB80XP | 126 | PMEG2002ESF | 64 | PMEG3020CEP (-Q) | 66 | PMEG4050EJP (-Q) | 68 |
| PMBT2222AM (-Q) | 25 | PMDPB85UPE | 121 | PMEG2005AELD (-Q) | 64 | PMEG3020CER (-Q) | 66 | PMEG4050EJP (-Q) | 68 |
| PMBT2222A (-Q) | 25 | PMDPB85UPE | 126 | PMEG2005AEL (-Q) | 64 | PMEG3020CPA (-Q) | 69 | PMEG4050EJP (-Q) | 68 |
| PMBT2222AQA (-Q) | 25 | PMDPB95XNE2 | 121 | PMEG2005AESF | 64 | PMEG3020CPAS (-Q) | 69 | PMEG4050EJP (-Q) | 68 |
| PMBT2222AYS (-Q) | 25 | PMDPB95XNE2 | 126 | PMEG2005BELD (-Q) | 64 | PMEG3020DEP (-Q) | 66 | PMEG4050EJP (-Q) | 69 |
| PMBT2222 (-Q) | 25 | PMDXB290UE ¹⁾ | 126 | PMEG2005CT (-Q) | 69 | PMEG3020EGW (-Q) | 68 | PMEG4050EJP (-Q) | 66 |
| PMBT2227AYS-Q | 25 | PMDXB290UNE | 119 | PMEG2005EGW (-Q) | 68 | PMEG3020EH (-Q) | 68 | PMEG4050EJP (-Q) | 66 |
| PMBT2369 (-Q) | 25 | PMDXB550UNE | 119 | PMEG2005EH (-Q) | 68 | PMEG3020EJ (-Q) | 68 | PMEG4050EJP (-Q) | 66 |
| PMBT2907AM (-Q) | 25 | PMDXB550UNE | 126 | PMEG2005EJ (-Q) | 68 | PMEG3020EPA (-Q) | 64 | PMEG4050EJP (-Q) | 66 |
| PMBT2907A (-Q) | 25 | PMDXB590UPE | 119 | PMEG2005ELD (-Q) | 64 | PMEG3020EPAS (-Q) | 64 | PMEG4050EJP (-Q) | 66 |
| PMBT2907AQA | 25 | PMDXB590UPE | 126 | PMEG2005EL (-Q) | 64 | PMEG3020EP (-Q) | 66 | PMEG6010EXD (-Q) | 66 |
| PMBT2907AYS (-Q) | 25 | PMDXB600UNE | 119 | PMEG2005EPK (-Q) | 64 | PMEG3020ER (-Q) | 66 | PMEG6010EXE (-Q) | 66 |
| PMBT2907 (-Q) | 25 | PMDXB600UNE | 126 | PMEG2005ESF | 64 | PMEG3020EXD (-Q) | 66 | PMEG6020AELP (-Q) | 66 |
| PMBT2907AQA | 25 | PMDXB950UPE | 126 | PMEG2005ET (-Q) | 68 | PMEG3020EXE (-Q) | 66 | PMEG6020AELR (-Q) | 66 |
| PMBT2907AYS (-Q) | 25 | PMDXB1200UPE | 126 | PMEG2010AEB (-Q) | 68 | PMEG3030BEP (-Q) | 66 | PMEG6020CER (-Q) | 66 |
| PMBT2907 (-Q) | 25 | PMEG030V030EPE (-Q) | 66 | PMEG2010AEB (-Q) | 68 | PMEG3030CEP (-Q) | 66 | PMEG6020CELR (-Q) | 66 |
| PMBT2907AQA | 25 | PMEG030V050EPE (-Q) | 67 | PMEG2010AEJ (-Q) | 68 | PMEG3030CER (-Q) | 66 | PMEG6020EPA (-Q) | 64 |
| PMBT2907AYS (-Q) | 25 | PMEG40T10ER (-Q) ¹⁾ | 66 | PMEG2010AET (-Q) | 68 | PMEG3030EP (-Q) | 66 | PMEG6020EPAS (-Q) | 66 |
| PMBT2907AQA | 25 | PMEG40T20EP (-Q) ¹⁾ | 66 | PMEG2010AET (-Q) | 68 | PMEG3030EXE (-Q) | 66 | PMEG6020EPA (-Q) | 64 |
| PMBT2907AYS (-Q) | 25 | PMEG40T20ER (-Q) ¹⁾ | 66 | PMEG2010BELD (-Q) | 64 | PMEG3030EVP (-Q) | 67 | PMEG6020ETP (-Q) | 66 |
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| PMBT2907AYS (-Q) | 25 | PMEG40V030EPE (-Q) | 66 | PMEG2010EPA (-Q) | 64 | PMEG4002AESF | 64 | PMEG6020EXD (-Q) | 66 |
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| PMBT2907AYS (-Q) | 25 | PMEG45T10EXD (-Q) ¹⁾ | 66 | PMEG2010EPK (-Q) | 64 | PMEG4002ELD (-Q) | 68 | PMEG6030AESX (-Q) | 66 |
| PMBT5550 (-Q) | 27 | PMEG45T15EPD ¹⁾ | 67 | PMEG2010ER (-Q) | 66 | PMEG4002EL (-Q) | 64 | PMEG6030CELP (-Q) | 67 |
| PMBT5551 (-Q) / BSR19A(-Q) | 27 | PMEG45T20EXD (-Q) ¹⁾ | 66 | PMEG2010ET (-Q) | 68 | PMEG4002ESF | 64 | PMEG6030CER (-Q) | 67 |
| PMBT6428 | 22 | PMEG45T30EPD ¹⁾ | 67 | PMEG2010EXD (-Q) | 66 | PMEG4005AESF | 64 | PMEG6030CELR (-Q) | 67 |
| PMBT6429 | 22 | PMEG45T030EPD ¹⁾ | 67 | PMEG2015EA (-Q) | 68 | PMEG4005CEJ | 68 | PMEG6030ELP (-Q) | 67 |
| PMBTA06 (-Q) | 22 | PMEG45T050EPD ¹⁾ | 67 | PMEG2015EA (-Q) | 68 | PMEG4005CT (-Q) | 69 | PMEG6030EP (-Q) | 67 |
| PMBTA06 (-Q) | 23 | PMEG45T100EPE (-Q) ¹⁾ | 67 | PMEG2015EH (-Q) | 68 | PMEG4005EGW (-Q) | 68 | PMEG6030ETP (-Q) | 67 |
| PMBTA13 (-Q) | 29 | PMEG45T150EIPD ¹⁾ | 67 | PMEG2015EJ (-Q) | 68 | PMEG4005EH (-Q) | 68 | PMEG6030EVP (-Q) | 67 |
| PMBTA14 | 29 | PMEG45T150EPD ¹⁾ | 67 | PMEG2015EPK (-Q) | 64 | PMEG4005EJ (-Q) | 68 | PMEG6030EXE (-Q) | 67 |
| PMBTA42D5 (-Q) | 27 | PMEG45V050EPE (-Q) | 67 | PMEG2020AEA (-Q) | 68 | PMEG4005EPK (-Q) | 64 | PMEG6045ETP (-Q) | 67 |
| PMBTA42 | 27 | PMEG45V100EPE (-Q) | 67 | PMEG2020AEA (-Q) | 68 | PMEG4005ESF | 64 | PMEG6050CEP (-Q) | 67 |
| PMBTA44 (-Q) | 27 | PMEG45V150EPE (-Q) | 67 | PMEG2020CER (-Q) | 66 | PMEG4005ET (-Q) | 68 | PMEG6050ELP (-Q) | 67 |
| PMBTA45 (-Q) | 29 | PMEG50T150EIPD ¹⁾ | 67 | PMEG2020CPA (-Q) | 69 | PMEG4010AESB | 64 | PMEG10010ELR (-Q) | 66 |
| PMBTA64 | 38 | PMEG50T150EPD ¹⁾ | 67 | PMEG2020CPAS (-Q) | 69 | PMEG4010BEA (-Q) | 68 | PMEG10010ELXE (-Q) | 66 |
| PMBTA92(-Q) | 27 | PMEG50V030EPE (-Q) | 67 | PMEG2020EH (-Q) | 68 | PMEG4010BEA (-Q) | 68 | PMEG10020AELR (-Q) | 66 |
| PMCA14UN | 121 | PMEG50V050EPE (-Q) | 67 | PMEG2020EJ (-Q) | 68 | PMEG4010CEA | 68 | PMEG10020AELR (-Q) | 66 |
| PMCB60XN | 121 | PMEG50V150EPE (-Q) | 67 | PMEG2020EPA (-Q) | 64 | PMEG4010CEA (-Q) | 68 | PMEG10020ELR (-Q) | 66 |
| PMCB60XNE | 121 | PMEG60T10ELP (-Q) ¹⁾ | 66 | PMEG2020EPAS (-Q) | 64 | PMEG4010CEGW (-Q) | 68 | PMEG10020ELXE (-Q) | 66 |
| PMCM4401UNE | 121 | PMEG60T10ELR (-Q) ¹⁾ | 66 | PMEG2020EPK (-Q) | 64 | PMEG4010CEH (-Q) | 68 | PMEG10030CELP (-Q) | 67 |
| PMCM4401UPE | 121 | PMEG60T10ELXD (-Q) ¹⁾ | 66 | PMEG2020EXD (-Q) | 66 | PMEG4010CEH (-Q) | 68 | PMEG10030ELP (-Q) | 67 |
| PMCM4401VNE | 121 | PMEG60T20ELP (-Q) ¹⁾ | 66 | PMEG2030CER (-Q) | 66 | PMEG4010CEJ (-Q) | 68 | PMEG10050ELP (-Q) | 67 |
| PMCM4401VPE | 121 | PMEG60T20ELR (-Q) ¹⁾ | 66 | PMEG3001EEF | 64 | PMEG4010CPA (-Q) | 69 | PMF63UNE | 123 |
| PMCM4401VPE | 121 | PMEG60T20ELXD (-Q) ¹⁾ | 66 | PMEG3002AELD (-Q) | 64 | PMEG4010CPAS (-Q) | 69 | PMF170XP | 123 |
| PMCM4401VPE | 121 | PMEG60T30ELPE (-Q) ¹⁾ | 67 | PMEG3002AEL (-Q) | 64 | PMEG4010EGW (-Q) | 68 | PMF250XNE | 125 |
| PMCM4402UPE | 121 | PMEG60T30ELP (-Q) ¹⁾ | 67 | PMEG3002AESF | 64 | PMEG4010EH (-Q) | 68 | PMG85XP | 125 |
| PMCM6501UNE | 121 | PMEG60T30ELR (-Q) ¹⁾ | 67 | PMEG3002EEF | 64 | PMEG4010EJ (-Q) | 68 | PMGD175XNE | 126 |
| PMCM6501VNE | 121 | PMEG60T040CLPE (-Q) ¹⁾ | 67 | PMEG3002EJP (-Q) | 68 | PMEG4010EPK (-Q) | 64 | PMGD290UCEA | 108 |
| PMCM6501VNE | 121 | PMEG60T050ELPE (-Q) ¹⁾ | 67 | PMEG3002ESF | 64 | PMEG4010ER (-Q) | 66 | PMH260UNE | 118 |
| PMCM6501VNE | 121 | PMEG60T50ELP (-Q) ¹⁾ | 67 | PMEG3005AESF | 64 | PMEG4010ESB | 64 | PMH400UNE | 118 |
| PMCM6501VNE | 121 | PMEG060T060CLPE (-Q) ¹⁾ | 67 | PMEG3005CT (-Q) | 69 | PMEG4010ETP (-Q) | 66 | PMH550UNE | 118 |
| PMCM6501VPE | 121 | PMEG060T080CLPE (-Q) ¹⁾ | 67 | PMEG3005EEF | 64 | PMEG4010ET (-Q) | 68 | PMH550UPE | 118 |
| PMCM6501VPE | 121 | PMEG060T100CLPE (-Q) ¹⁾ | 67 | PMEG3005EGW (-Q) | 68 | PMEG4010ETR (-Q) | 66 | PMH600UNE | 118 |

Types in **bold red** are in development, types in **bold** represent new products

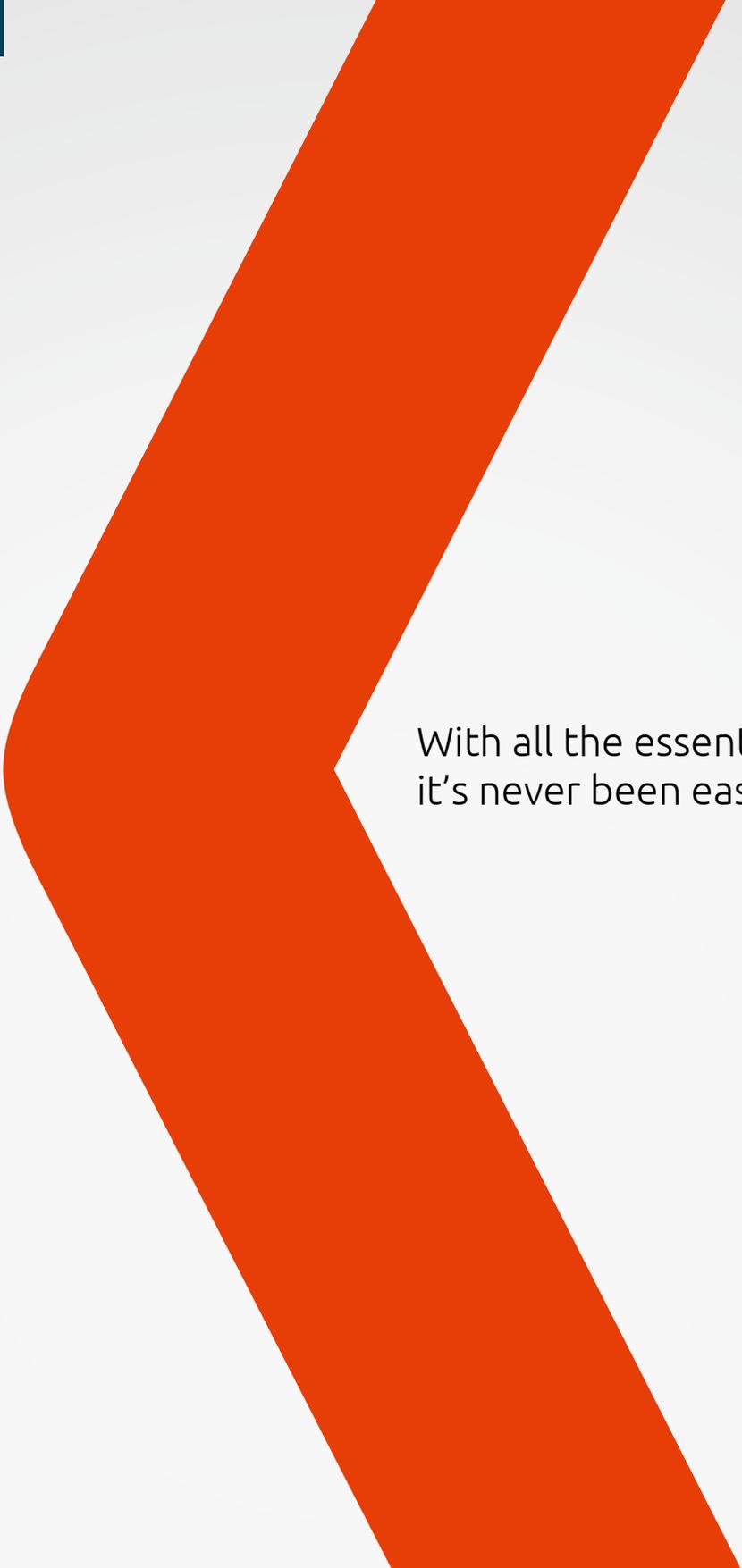
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| PMH850UPE..... | 118 | PMPB14XN..... | 120 | PMV35EPE..... | 125 | PNE20020EXD (-Q)..... | 59 | PSMN1R1-100CSE | 114 |
| PMH950UPE..... | 118 | PMPB14XP..... | 120 | PMV37EN2..... | 123 | PNE20030EP (-Q)..... | 59 | PSMN1R2-25YL..... | 110 |
| PMH1200UPE..... | 118 | PMPB15XN..... | 120 | PMV37ENEA..... | 107 | PNE20040CPE (-Q)..... | 59 | PSMN1R2-25YLC..... | 110 |
| PMMT491A..... | 33 | PMPB15XP..... | 120 | PMV40UN2..... | 123 | PNE20040EPE (-Q)..... | 59 | PSMN1R2-25YLD..... | 110 |
| PMMT591A..... | 35 | PMPB15XPA..... | 107 | PMV42ENE..... | 123 | PNE20040EP (-Q)..... | 59 | PSMN1R2-30YLC..... | 110 |
| PMN16XNE..... | 123 | PMPB16EP..... | 120 | PMV45EN2..... | 123 | PNE20050EP (-Q)..... | 59 | PSMN1R2-30YLD..... | 110 |
| PMN20ENA..... | 107 | PMPB16R5XNE..... | 120 | PMV48XP..... | 125 | PNE20060CPE (-Q)..... | 59 | PSMN1R2-55SLH..... | 112 |
| PMN20ENA..... | 123 | PMPB17EP..... | 120 | PMV48XPA..... | 107 | PNE20060EPE (-Q)..... | 59 | PSMN1R2-80ASE | 114 |
| PMN25ENE..... | 123 | PMPB190RUPE..... | 120 | PMV48XPA2..... | 107 | PNE20080CPE (-Q)..... | 59 | PSMN1R2-80CSE | 114 |
| PMN25ENE..... | 107 | PMPB19XP..... | 120 | PMV50EPEA..... | 107 | PNE20080EPE (-Q)..... | 59 | PSMN1R3-30YL..... | 110 |
| PMN28UNE..... | 123 | PMPB20EN..... | 120 | PMV50UPE..... | 125 | PNE200100CPE (-Q)..... | 59 | PSMN1R3-80SSF | 116 |
| PMN30ENE..... | 107 | PMPB20XNEA..... | 107 | PMV50XNEA..... | 107 | PNE200100EPE (-Q)..... | 59 | PSMN1R3-100ASF | 114 |
| PMN30ENE..... | 123 | PMPB20XNEA..... | 120 | PMV50XNEA..... | 123 | PNE650100EJ (-Q) | 59 | PSMN1R4-30YLD..... | 110 |
| PMN30UN..... | 123 | PMPB20XPE..... | 120 | PMV50XP..... | 125 | PNE650150EJ (-Q) | 59 | PSMN1R4-40YLD..... | 112 |
| PMN30UNE..... | 123 | PMPB20XPEA..... | 107 | PMV52ENE..... | 123 | PNE650200EJ (-Q) | 59 | PSMN1R4-100ASE | 114 |
| PMN30XP..... | 125 | PMPB23XNE..... | 120 | PMV52ENE..... | 107 | PNS40010AER (-Q) | 59 | PSMN1R4-100CSE | 114 |
| PMN30XP..... | 107 | PMPB29XNE..... | 120 | PMV52ENE..... | 107 | PNE20010EP (-Q)..... | 59 | PSMN1R4-100CSF | 114 |
| PMN30XPE..... | 125 | PMPB29XNEA..... | 107 | PMV60ENE..... | 123 | PNE20010EP (-Q)..... | 59 | PSMN1R5-25MLH..... | 111 |
| PMN30XPEA..... | 107 | PMPB29XPE..... | 120 | PMV60ENE..... | 123 | PNU65020EP (-Q)..... | 59 | PSMN1R5-30BLE..... | 110 |
| PMN40ENA..... | 107 | PMPB29XPEA..... | 107 | PMV65UNE..... | 123 | PNU65030EP (-Q)..... | 59 | PSMN1R5-30YL..... | 110 |
| PMN40ENA..... | 123 | PMPB30XPE..... | 120 | PMV65UNE..... | 107 | PNU650100EJ (-Q) | 59 | PSMN1R5-30YLC..... | 110 |
| PMN40ENA..... | 123 | PMPB33XN..... | 120 | PMV65XP..... | 125 | PNU650150AEJ (-Q) | 59 | PSMN1R5-40YSD..... | 112 |
| PMN40XPEA..... | 107 | PMPB33XP..... | 120 | PMV65XPE..... | 125 | PNU650150EJ (-Q) | 59 | PSMN1R5-50YLD..... | 112 |
| PMN48XP..... | 125 | PMPB43XPEA..... | 107 | PMV65XPEA..... | 107 | PNU650200AEJ (-Q) | 59 | PSMN1R6-25YLE..... | 110 |
| PMN48XPA..... | 107 | PMPB47XP..... | 120 | PMV74EPE..... | 125 | PNU650200EJ (-Q) | 59 | PSMN1R6-30MLH..... | 111 |
| PMN48XPA2..... | 107 | PMPB48EP..... | 120 | PMV75UP..... | 125 | PNU650300AEJ (-Q) | 59 | PSMN1R7-25YLD..... | 110 |
| PMN50EPE..... | 125 | PMPB50ENE..... | 120 | PMV88ENE..... | 123 | PQMB1..... | 42 | PSMN1R7-30YL..... | 110 |
| PMN52XP..... | 125 | PMPB50ENE..... | 120 | PMV88ENE..... | 107 | PQMD2..... | 42 | PSMN1R7-40YLB | 112 |
| PMN55ENE..... | 123 | PMPB55ENE..... | 120 | PMV90ENE..... | 123 | PQMD3..... | 42 | PSMN1R7-60BS..... | 112 |
| PMN55ENE..... | 107 | PMPB55ENE..... | 120 | PMV90ENE..... | 107 | PQMD10..... | 42 | PSMN1R8-30MLH..... | 111 |
| PMN70EPE..... | 125 | PMPB100ENE..... | 120 | PMV100EPA..... | 107 | PQMD12..... | 42 | PSMN1R8-40YLC..... | 112 |
| PMN70XP..... | 125 | PMPB215ENE..... | 120 | PMV100XPEA..... | 107 | PQMD13..... | 42 | PSMN1R8-80SSF | 116 |
| PMN100EPA..... | 107 | PMS33904..... | 25 | PMV100XPEA..... | 125 | PQMD16..... | 42 | PSMN1R9-40YSB | 112 |
| PMN120ENE..... | 107 | PMS33906..... | 25 | PMV130ENE..... | 123 | PQMH2..... | 42 | PSMN1R9-40YSD..... | 112 |
| PMN230ENE..... | 123 | PMST2222A (-Q)..... | 25 | PMV130ENE..... | 107 | PQMH9..... | 42 | PSMN1R9-80SSE | 116 |
| PMN230ENE..... | 107 | PMST2222 (-Q)..... | 25 | PMV160UP..... | 125 | PQMH11..... | 42 | PSMN1R9-80SSJ | 116 |
| PMN280ENE..... | 107 | PMST2369 (-Q)..... | 25 | PMV164ENE..... | 123 | PQMH13..... | 42 | PSMN2R0-25MLD..... | 111 |
| PMN280ENE..... | 123 | PMST2907A (-Q)..... | 25 | PMV164ENE..... | 107 | PRMB1..... | 42 | PSMN2R0-25YLD..... | 110 |
| PMP3906AYS-Q | 30 | PMST3904 (-Q)..... | 25 | PMV2405P..... | 125 | PRMD2..... | 42 | PSMN2R0-30YL..... | 110 |
| PMP4201G..... | 30 | PMST3906 (-Q)..... | 25 | PMV250EPEA..... | 107 | PRMD3..... | 42 | PSMN2R0-30YLD..... | 110 |
| PMP4201Y..... | 30 | PMST4401 (-Q)..... | 25 | PMV250EPEA..... | 125 | PRMD10..... | 42 | PSMN2R0-30YLE..... | 110 |
| PMP4501G..... | 30 | PMST4403 (-Q)..... | 25 | PMV280ENE..... | 107 | PRMD12..... | 42 | PSMN2R0-40YLB | 112 |
| PMP4501QAS..... | 30 | PMST5088..... | 22 | PMV280ENE..... | 123 | PRMD13..... | 42 | PSMN2R0-40YLD..... | 112 |
| PMP4501Y..... | 30 | PMST5089..... | 22 | PMV450ENE..... | 107 | PRMD16..... | 42 | PSMN2R0-55YLD..... | 112 |
| PMP5501G..... | 30 | PMST5550 (-Q)..... | 27 | PMV450ENE..... | 123 | PRMH2..... | 42 | PSMN2R0-100SSF | 116 |
| PMP5501QAS..... | 30 | PMST5551 (-Q)..... | 27 | PMX100UN..... | 118 | PRMH9..... | 42 | PSMN2R1-30YLE..... | 110 |
| PMP5501Y..... | 30 | PMST6428..... | 22 | PMX100UNE..... | 118 | PRMH10..... | 42 | PSMN2R2-30YLC..... | 110 |
| PMPB4R6UN..... | 120 | PMST6429..... | 22 | PMX2405P..... | 118 | PRMH11..... | 42 | PSMN2R2-40BS..... | 112 |
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| PMPB06R2EN..... | 120 | PMSTA06 (-Q)..... | 22 | PMX800EPE..... | 118 | PRTR5V0U2AX..... | 82 | PSMN2R2-40YSD..... | 112 |
| PMPB06R3XN..... | 120 | PMSTA06 (-Q)..... | 23 | PMXB40UNE..... | 119 | PRTR5V0U2F..... | 82 | PSMN2R3-80SSF | 116 |
| PMPB07R0UN..... | 120 | PMSTA42 (-Q)..... | 27 | PMXB43UNE..... | 119 | PRTR5V0U2X..... | 82 | PSMN2R3-100SSE | 116 |
| PMPB07R3EN..... | 120 | PMSTA42 (-Q)..... | 27 | PMXB56EN..... | 119 | PRTR5V0U4D..... | 82 | PSMN2R3-100SSJ | 116 |
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| PMPB07R3XN..... | 120 | PMSTA55 (-Q)..... | 27 | PMXB65UPE..... | 119 | PSC1065H..... | 61 | PSMN2R4-30YLD..... | 110 |
| PMPB08R4VP..... | 120 | PMV13XNEA..... | 107 | PMXB75UPE..... | 119 | PSC1065H-Q | 61 | PSMN2R5-30YL..... | 110 |
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| PMPB08R6EN..... | 120 | PMV15ENE..... | 123 | PMXB84UNE..... | 119 | PSC1665J | 61 | PSMN2R5-40YLD..... | 112 |
| PMPB8XN..... | 120 | PMV15ENE..... | 107 | PMXB350UPE..... | 119 | PSC1665L | 61 | PSMN2R5-80SSE | 116 |
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| PMPB09R5VP..... | 120 | PMV16XN..... | 123 | PMZ130UNE..... | 118 | PSC2065L | 61 | PSMN2R6-80YSF | 114 |
| PMPB10EN..... | 120 | PMV19XNEA..... | 107 | PMZ200UNE..... | 118 | PSC2065L..... | 61 | PSMN2R6-100SSF | 116 |
| PMPB10R3XN..... | 120 | PMV20EN..... | 123 | PMZ290UNE2..... | 118 | PSMN07-25YLD..... | 110 | PSMN2R7-30BL..... | 110 |
| PMPB10XN..... | 120 | PMV20XNEA..... | 123 | PMZ320UPE..... | 118 | PSMN09-25YLD..... | 110 | PSMN2R8-25MLC..... | 111 |
| PMPB10XNEA..... | 107 | PMV20XNEA..... | 125 | PMZ350UPE..... | 118 | PSMN09-30ULD..... | 111 | PSMN2R8-40BS..... | 112 |
| PMPB11EN..... | 120 | PMV27UPE..... | 107 | PMZ390UNE..... | 118 | PSMN09-30YLD..... | 110 | PSMN2R8-40YSB | 112 |
| PMPB11R2VP..... | 120 | PMV28ENE..... | 123 | PMZ550UNE..... | 118 | PSMN1R0-25YLD..... | 110 | PSMN2R8-40YSD..... | 112 |
| PMPB12R5EP..... | 120 | PMV28ENE..... | 107 | PMZ600UNE..... | 118 | PSMN1R0-30YLC..... | 110 | PSMN2R8-80BS..... | 114 |
| PMPB12R5UPE..... | 120 | PMV28UNE..... | 123 | PMZ600UNE..... | 118 | PSMN1R0-30YLD..... | 110 | PSMN2R8-80SSF | 116 |
| PMPB12R7EP..... | 120 | PMV28XPEA..... | 107 | PMZB150UNE..... | 118 | PSMN1R0-40SSH..... | 112 | PSMN2R9-25YLC..... | 110 |
| PMPB12UNE..... | 120 | PMV30ENE..... | 123 | PMZB200UNE..... | 118 | PSMN1R0-40ULD..... | 113 | PSMN2R9-100SSE | 116 |
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| PMPB13R6XN..... | 120 | PMV30UNE..... | 123 | PMZB320UPE..... | 118 | PSMN1R0-40YSH..... | 112 | PSMN3R0-30YL..... | 110 |
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With all the essentials in one handy guide,
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