

**Final datasheet**

**CoolSiC™ Hybrid Discrete : CoolSiC™ 1200 V SiC MOSFET G2 co-packed with soft, fast recovery Emitter Controlled 7 diode for reverse-polarity protection**

**Features**

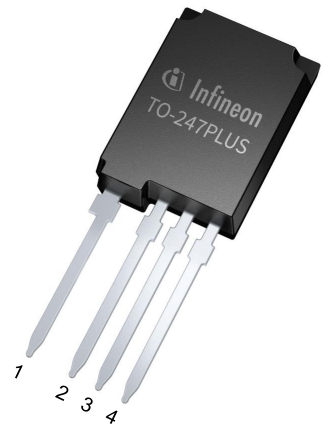
- $V_{DSS} = 1200\text{ V}$  at  $T_{vj} = 25^\circ\text{C}$
- $I_{DDC} = 31\text{ A}$  at  $T_c = 100^\circ\text{C}$
- $R_{DS(on)} = 36\text{ m}\Omega$  at  $V_{GS} = 18\text{ V}$ ,  $T_{vj} = 25^\circ\text{C}$
- Reverse-polarity protection diode with  $I_F = 76\text{ A}$  at  $T_c = 100^\circ\text{C}$
- Very low switching losses
- Optimized for MPPT boost converter in solar applications
- Benchmark gate threshold voltage,  $V_{GS(th)} = 4.2\text{ V}$
- Robust against parasitic turn on, 0 V turn-off gate voltage can be applied
- Soft and low  $Q_{rr}$  diode with  $V_F = 1.6\text{ V}$  at  $T_c = 175^\circ\text{C}$
- Suitable Infineon gate drivers can be found under <https://www.infineon.com/gdfinder>

**Potential applications**

- String inverter

**Product validation**

- Qualified for industrial applications according to the relevant tests of JEDEC47/20/22



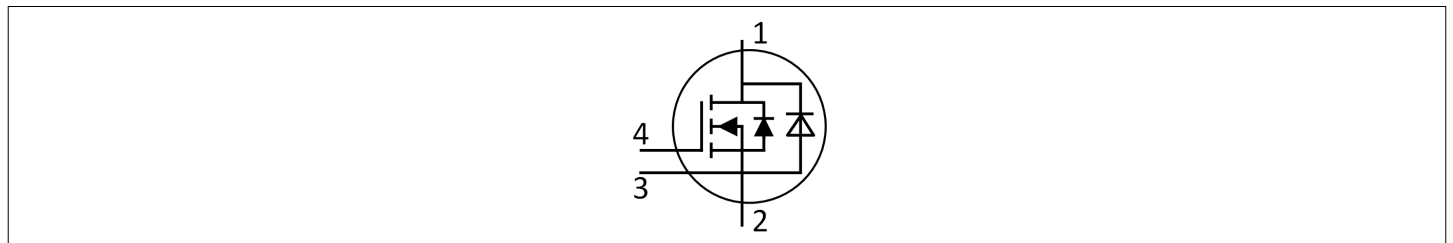
- Halogen-free
- Green
- Lead-free
- RoHS

**Description**

Pin definition:

- 1 – Drain
- 2 – Source
- 3 – Kelvin sense contact
- 4 – Gate

Note: the source and sense pins are not exchangeable, their exchange might lead to malfunction (only for 4pin, TO263-7L)



Type	Package	Marking
IMY120R036AM2H	PG-TO247-4-U10	12M2HA036

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## 1 Package

**Table 1** Characteristic values

Parameter	Symbol	Note or test condition	Values			Unit
			Min.	Typ.	Max.	
Storage temperature	$T_{stg}$		-55		150	°C
Soldering temperature	$T_{sold}$	Wave soldering 1.6 mm (0.063 in.) from case for 10 s			260	°C
Thermal resistance, junction-ambient	$R_{th(j-a)}$				62	K/W
MOSFET thermal resistance, junction-case	$R_{th(j-c)}$			0.67	0.87	K/W
Reverse-polarity protection diode thermal resistance, junction-case	$R_{th(j-c)}$			0.31	0.42	K/W
Comparative Tracking Index	$CTI$	IEC 60112 (material group 1 according to IEC 60664-1)	600			V

## 2 MOSFET

**Table 2** Maximum rated values

Parameter	Symbol	Note or test condition	Values	Unit	
Drain-source voltage	$V_{DSS}$	$T_{vj} \geq 25\text{ °C}$	1200	V	
Continuous DC drain current for $R_{th(j-c,max)}$ , limited by $T_{vj(max)}$	$I_{DDC}$	$V_{GS} = 18\text{ V}$	$T_c = 25\text{ °C}$	44	A
			$T_c = 100\text{ °C}$	31	
Peak drain current, $t_p$ limited by $T_{vj(max)}$ <sup>1)</sup>	$I_{DM}$	$V_{GS} = 18\text{ V}$	155	A	
Gate-source voltage, max. transient voltage <sup>2)</sup>	$V_{GS}$	$t_p \leq 0.5\ \mu\text{s}$ , $D < 0.01$	-10...25	V	
Gate-source voltage, max. static voltage	$V_{GS}$		-7...23	V	
Power dissipation, limited by $T_{vj(max)}$	$P_{tot}$	$T_c = 25\text{ °C}$	171	W	
		$T_c = 100\text{ °C}$	86		

1) Verified by design

2) The maximum gate-source voltage in the application design should be in accordance to IPC-9592B.

**Table 3** Recommended values

Parameter	Symbol	Note or test condition	Values	Unit
Recommended turn-on gate voltage	$V_{GS(on)}$		15...18	V
Recommended turn-off gate voltage	$V_{GS(off)}$		-5...0	V

**Table 4** Characteristic values

Parameter	Symbol	Note or test condition	Values			Unit	
			Min.	Typ.	Max.		
Drain-source on-state resistance	$R_{DS(on)}$	$I_D = 18.2 \text{ A}$	$T_{vj} = 25 \text{ }^\circ\text{C}$ , $V_{GS(on)} = 18 \text{ V}$		36	45	mΩ
			$T_{vj} = 150 \text{ }^\circ\text{C}$ , $V_{GS(on)} = 18 \text{ V}$		77		
			$T_{vj} = 175 \text{ }^\circ\text{C}$ , $V_{GS(on)} = 18 \text{ V}$		89		
			$T_{vj} = 25 \text{ }^\circ\text{C}$ , $V_{GS(on)} = 15 \text{ V}$		47		
Gate-source threshold voltage	$V_{GS(th)}$	$I_D = 5.7 \text{ mA}$ , $V_{DS} = V_{GS}$ (tested after 1 ms pulse at $V_{GS} = 20 \text{ V}$ )	$T_{vj} = 25 \text{ }^\circ\text{C}$	3.5	4.2	5.1	V
			$T_{vj} = 175 \text{ }^\circ\text{C}$		3.2		
Zero gate-voltage drain current	$I_{DSS}$	$V_{DS} = 1200 \text{ V}$ , $V_{GS} = 0 \text{ V}$	$T_{vj} = 25 \text{ }^\circ\text{C}$			170	μA
			$T_{vj} = 175 \text{ }^\circ\text{C}$		930		
Gate leakage current	$I_{GSS}$	$V_{DS} = 0 \text{ V}$	$V_{GS} = 23 \text{ V}$			120	nA
			$V_{GS} = -10 \text{ V}$			-120	
Forward transconductance	$g_{fs}$	$I_D = 18.2 \text{ A}$ , $V_{DS} = 20 \text{ V}$		13.9		S	
Internal gate resistance	$R_{G,int}$	$f = 1 \text{ MHz}$ , $V_{AC} = 25 \text{ mV}$		1.8		Ω	
Input capacitance	$C_{iss}$	$V_{DS} = 800 \text{ V}$ , $V_{GS} = 0 \text{ V}$ , $f = 100 \text{ kHz}$ , $V_{AC} = 25 \text{ mV}$		1473		pF	
Output capacitance	$C_{oss}$	$V_{DS} = 800 \text{ V}$ , $V_{GS} = 0 \text{ V}$ , $f = 100 \text{ kHz}$ , $V_{AC} = 25 \text{ mV}$		84		pF	
Reverse transfer capacitance	$C_{rss}$	$V_{DS} = 800 \text{ V}$ , $V_{GS} = 0 \text{ V}$ , $f = 100 \text{ kHz}$ , $V_{AC} = 25 \text{ mV}$		3.5		pF	
$C_{oss}$ stored energy	$E_{oss}$	Calculated based on $C_{oss} = f(V_{DD})$		34		μJ	
Output charge	$Q_{oss}$	Calculated based on $C_{oss} = f(V_{DD})$		116		nC	
Effective output capacitance, energy related	$C_{o(er)}$	$V_{DS} = 0 \dots 800 \text{ V}$ , $V_{GS} = 0 \text{ V}$ , Calculated based on $E_{oss}$		106		pF	
Effective output capacitance, time related	$C_{o(tr)}$	$I_D = \text{constant}$ , $V_{DS} = 0 \dots 800 \text{ V}$ , $V_{GS} = 0 \text{ V}$ , Calculated based on $Q_{oss}$		146		pF	
Total gate charge	$Q_G$	$V_{DD} = 800 \text{ V}$ , $I_D = 18.2 \text{ A}$ , $V_{GS} = 0/18 \text{ V}$ , turn-on pulse		37		nC	
Plateau gate charge	$Q_{GS(pl)}$	$V_{DD} = 800 \text{ V}$ , $I_D = 18.2 \text{ A}$ , $V_{GS} = 0/18 \text{ V}$ , turn-on pulse		8.5		nC	
Gate-drain charge	$Q_{GD}$	$V_{DD} = 800 \text{ V}$ , $I_D = 18.2 \text{ A}$ , $V_{GS} = 0/18 \text{ V}$ , turn-on pulse		8.2		nC	
Turn-on delay time	$t_{d(on)}$	$V_{DD} = 800 \text{ V}$ , $I_D = 18.2 \text{ A}$ , $V_{GS} = 0/18 \text{ V}$ , $R_{G,ext} = 2.8 \text{ } \Omega$ , $L_\sigma = 12 \text{ nH}$	$T_{vj} = 25 \text{ }^\circ\text{C}$		11.2		ns
			$T_{vj} = 175 \text{ }^\circ\text{C}$		10.8		

(table continues...)

**Table 4** (continued) Characteristic values

Parameter	Symbol	Note or test condition	Values			Unit
			Min.	Typ.	Max.	
Rise time	$t_r$	$V_{DD} = 800\text{ V}, I_D = 18.2\text{ A},$ $V_{GS} = 0/18\text{ V},$ $R_{G,ext} = 2.8\ \Omega, L_\sigma = 12\text{ nH}$	$T_{vj} = 25\text{ }^\circ\text{C}$	7.6		ns
			$T_{vj} = 175\text{ }^\circ\text{C}$	8		
Turn-off delay time	$t_{d(off)}$	$V_{DD} = 800\text{ V}, I_D = 18.2\text{ A},$ $V_{GS} = 0/18\text{ V},$ $R_{G,ext} = 2.8\ \Omega, L_\sigma = 12\text{ nH}$	$T_{vj} = 25\text{ }^\circ\text{C}$	18		ns
			$T_{vj} = 175\text{ }^\circ\text{C}$	20		
Fall time	$t_f$	$V_{DD} = 800\text{ V}, I_D = 18.2\text{ A},$ $V_{GS} = 0/18\text{ V},$ $R_{G,ext} = 2.8\ \Omega, L_\sigma = 12\text{ nH}$	$T_{vj} = 25\text{ }^\circ\text{C}$	12.8		ns
			$T_{vj} = 175\text{ }^\circ\text{C}$	12.8		
Turn-on energy	$E_{on}$	$V_{DD} = 800\text{ V}, I_D = 18.2\text{ A},$ $V_{GS} = 0/18\text{ V},$ $R_{G,ext} = 2.8\ \Omega, L_\sigma = 12\text{ nH}$	$T_{vj} = 25\text{ }^\circ\text{C}$	154		$\mu\text{J}$
			$T_{vj} = 175\text{ }^\circ\text{C}$	155		
Turn-off energy	$E_{off}$	$V_{DD} = 800\text{ V}, I_D = 18.2\text{ A},$ $V_{GS} = 0/18\text{ V},$ $R_{G,ext} = 2.8\ \Omega, L_\sigma = 12\text{ nH}$	$T_{vj} = 25\text{ }^\circ\text{C}$	33		$\mu\text{J}$
			$T_{vj} = 175\text{ }^\circ\text{C}$	37		
Total switching energy	$E_{tot}$	$V_{DD} = 800\text{ V}, I_D = 18.2\text{ A},$ $V_{GS} = 0/18\text{ V},$ $R_{G,ext} = 2.8\ \Omega, L_\sigma = 12\text{ nH}$	$T_{vj} = 25\text{ }^\circ\text{C}$	187		$\mu\text{J}$
			$T_{vj} = 175\text{ }^\circ\text{C}$	192		
Turn-on energy at -5 V	$E_{on}$	$V_{DD} = 800\text{ V}, I_D = 18.2\text{ A},$ $V_{GS} = -5/18\text{ V},$ $R_{G,ext} = 2.8\ \Omega, L_\sigma = 12\text{ nH}$	$T_{vj} = 25\text{ }^\circ\text{C}$	144		$\mu\text{J}$
			$T_{vj} = 175\text{ }^\circ\text{C}$	143		
Turn-off energy at -5 V	$E_{off}$	$V_{DD} = 800\text{ V}, I_D = 18.2\text{ A},$ $V_{GS} = -5/18\text{ V},$ $R_{G,ext} = 2.8\ \Omega, L_\sigma = 12\text{ nH}$	$T_{vj} = 25\text{ }^\circ\text{C}$	33		$\mu\text{J}$
			$T_{vj} = 175\text{ }^\circ\text{C}$	38		
Total switching energy at -5 V	$E_{tot}$	$V_{DD} = 800\text{ V}, I_D = 18.2\text{ A},$ $V_{GS} = -5/18\text{ V},$ $R_{G,ext} = 2.8\ \Omega, L_\sigma = 12\text{ nH}$	$T_{vj} = 25\text{ }^\circ\text{C}$	177		$\mu\text{J}$
			$T_{vj} = 175\text{ }^\circ\text{C}$	181		
Virtual junction temperature	$T_{vj}$		-40		175	$^\circ\text{C}$

**Note:** Characteristics at  $T_{vj} = 25\text{ }^\circ\text{C}$ , unless otherwise specified.  
Dynamic test circuit see Figure F, 2nd device SiC Schottky diode IDWD20G120C5.

### 3 Reverse-polarity protection diode

**Table 5** Maximum rated values

Parameter	Symbol	Note or test condition	Values	Unit	
Diode forward current, limited by $T_{vjmax}$	$I_F$	limited by bondwire	$T_c = 25\text{ }^\circ\text{C}$	98	A
			$T_c = 100\text{ }^\circ\text{C}$	76	

(table continues...)

**Table 5 (continued) Maximum rated values**

Parameter	Symbol	Note or test condition	Values	Unit
Diode pulsed current, $t_p$ limited by $T_{vjmax}$	$I_{Fpulse}$		225	A
Power dissipation	$P_{tot}$	$T_c = 25\text{ °C}$	356	W
		$T_c = 100\text{ °C}$	178	

**Table 6 Characteristic values**

Parameter	Symbol	Note or test condition	Values			Unit
			Min.	Typ.	Max.	
Diode forward voltage	$V_F$	$I_F = 75\text{ A}$	$T_{vj} = 25\text{ °C}$	1.65	2.15	V
			$T_{vj} = 175\text{ °C}$	1.6		
Diode reverse recovery charge	$Q_{rr}$	$I_F = 18.2\text{ A}$ , $V_{DD} = 800\text{ V}$ , $R_{G,ext} = 2.8\text{ }\Omega$ , Opposite MOSFET $V_{GS} = 0/18\text{ V}$ , $Q_{rr}$ includes also $Q_C$	$T_{vj} = 25\text{ °C}$	2.9		$\mu\text{C}$
			$T_{vj} = 175\text{ °C}$	7.4		
Diode peak reverse recovery current	$I_{rrm}$	$I_F = 18.2\text{ A}$ , $V_{DD} = 800\text{ V}$ , $R_{G,ext} = 2.8\text{ }\Omega$ , Opposite MOSFET $V_{GS} = 0/18\text{ V}$	$T_{vj} = 25\text{ °C}$	116		A
			$T_{vj} = 175\text{ °C}$	158		
Diode reverse recovery energy	$E_{rec}$	$I_F = 18.2\text{ A}$ , $V_{DD} = 800\text{ V}$ , $R_{G,ext} = 2.8\text{ }\Omega$ , Opposite MOSFET $V_{GS} = 0/18\text{ V}$ , $Q_{rr}$ includes also $Q_C$	$T_{vj} = 25\text{ °C}$	1.7		mJ
			$T_{vj} = 175\text{ °C}$	4.6		
Virtual junction temperature	$T_{vj}$		-40		175	$^{\circ}\text{C}$

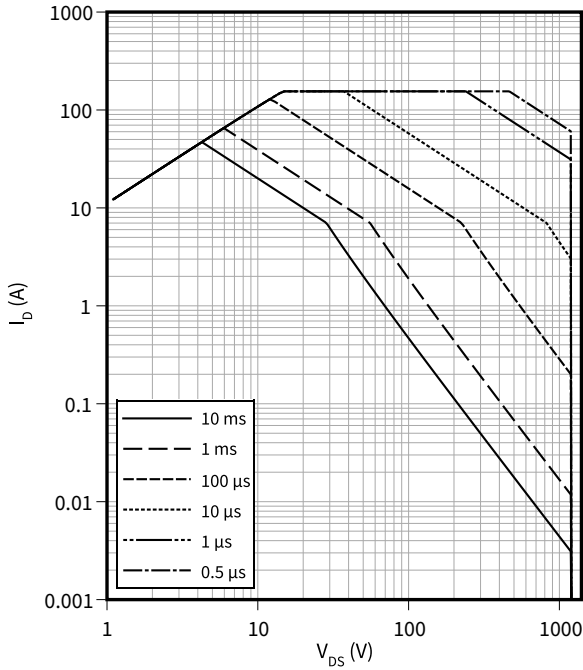
**Note:** Dynamic test circuit see Figure G, 2nd device: reverse-polarity protection co-packed diode,  $V_{GS} = 0\text{ V}$ .

## 4 Characteristics diagrams

### Safe operating area (SOA)

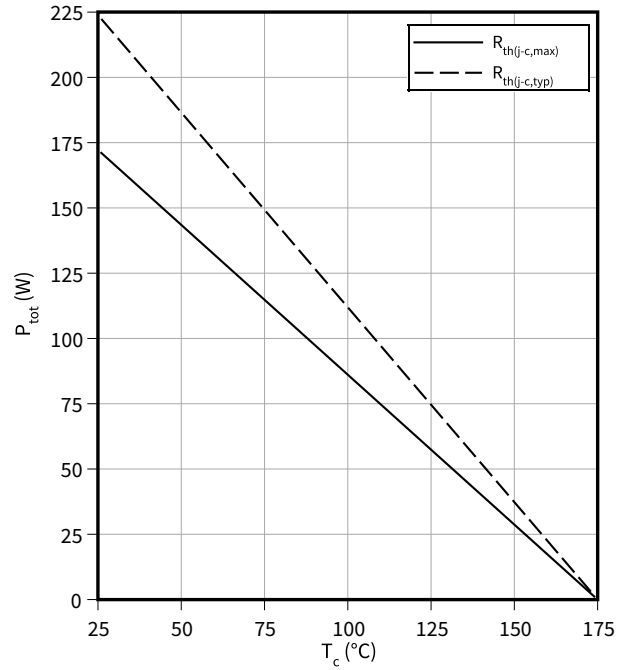
$$I_D = f(V_{DS})$$

$$T_{vj} \leq 175\text{ °C}, T_c = 25\text{ °C}$$



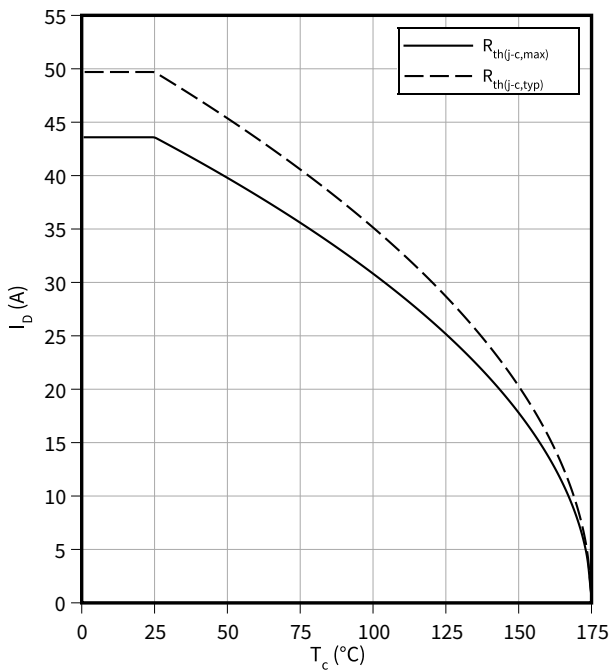
### Power dissipation as a function of case temperature limited by bond wire

$$P_{tot} = f(T_c)$$



### Maximum DC drain to source current as a function of case temperature limited by bond wire

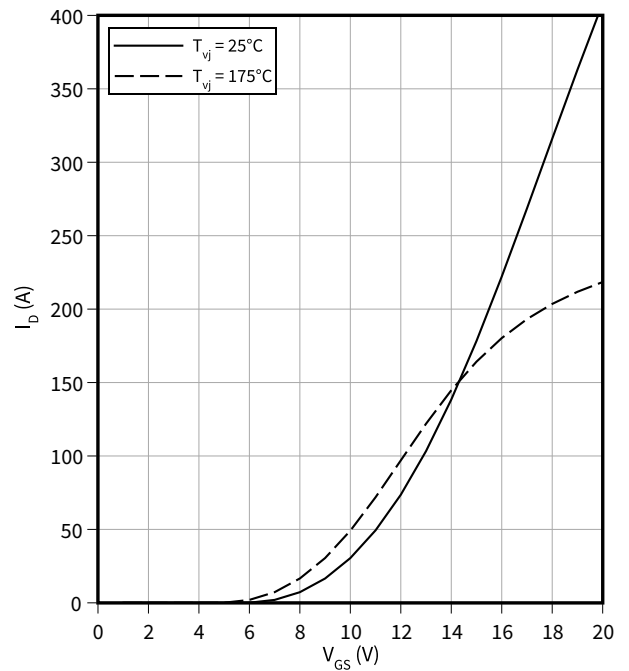
$$I_D = f(T_c)$$



### Typical transfer characteristic

$$I_D = f(V_{GS})$$

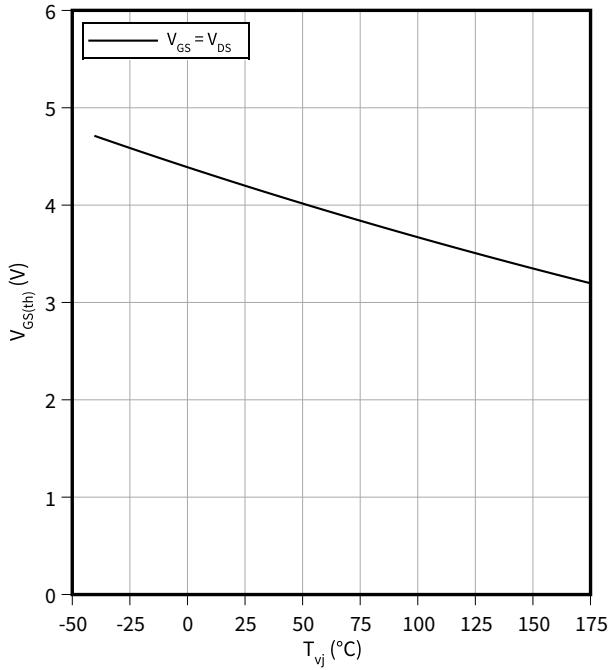
$$V_{DS} = 20\text{ V}, t_p = 20\text{ μs}$$



4 Characteristics diagrams

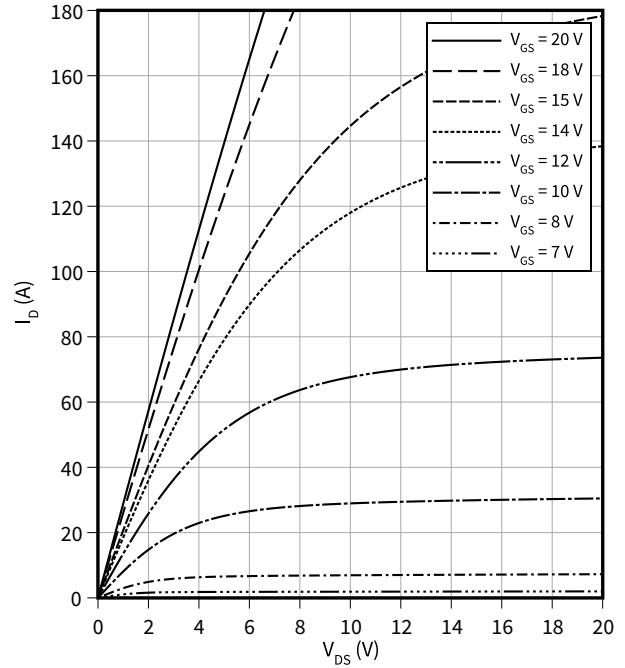
**Typical gate-source threshold voltage as a function of junction temperature**

$V_{GS(th)} = f(T_{vj})$   
 $I_D = 5.7 \text{ mA}$



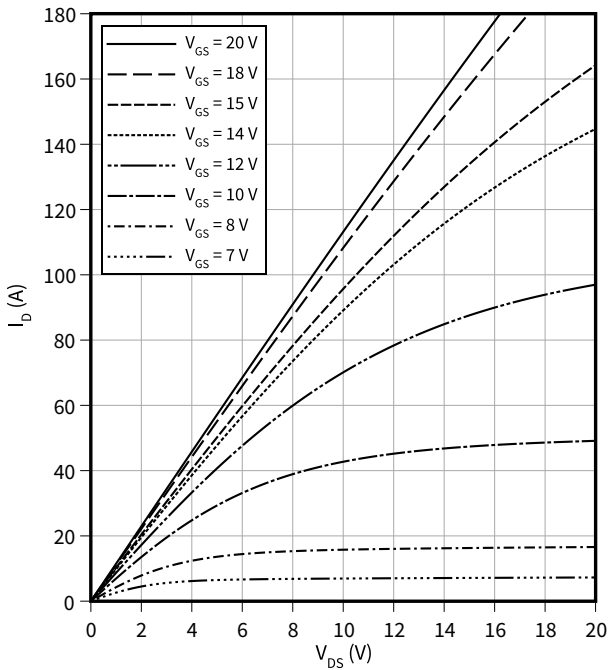
**Typical output characteristic,  $V_{GS}$  as a parameter**

$I_D = f(V_{DS})$   
 $T_{vj} = 25 \text{ °C}, t_p = 20 \text{ } \mu\text{s}$



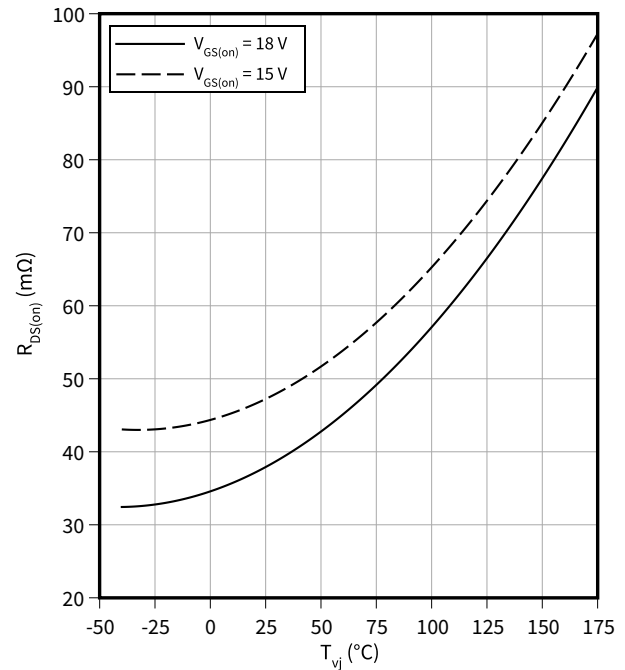
**Typical output characteristic,  $V_{GS}$  as a parameter**

$I_D = f(V_{DS})$   
 $T_{vj} = 175 \text{ °C}, t_p = 20 \text{ } \mu\text{s}$



**Typical on-state resistance as a function of junction temperature**

$R_{DS(on)} = f(T_{vj})$   
 $I_D = 18.2 \text{ A}$

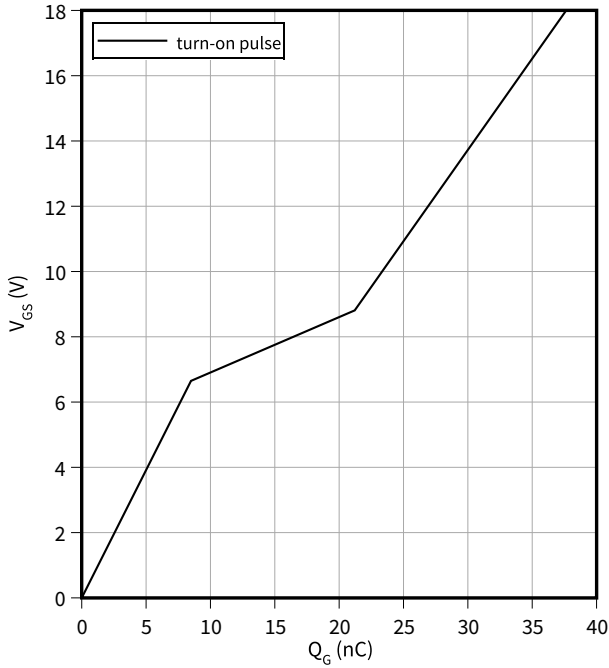


4 Characteristics diagrams

**Typical gate charge**

$V_{GS} = f(Q_G)$

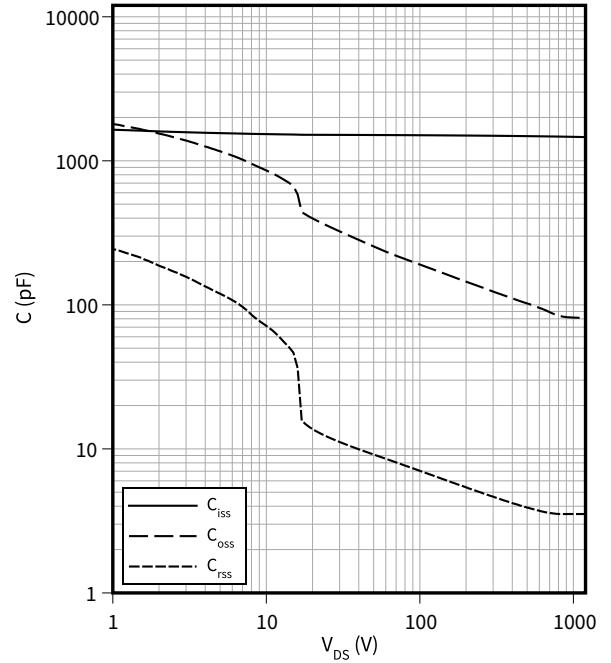
$I_D = 18.2 \text{ A}$ ,  $V_{DS} = 800 \text{ V}$



**Typical capacitance as a function of drain-source voltage**

$C = f(V_{DS})$

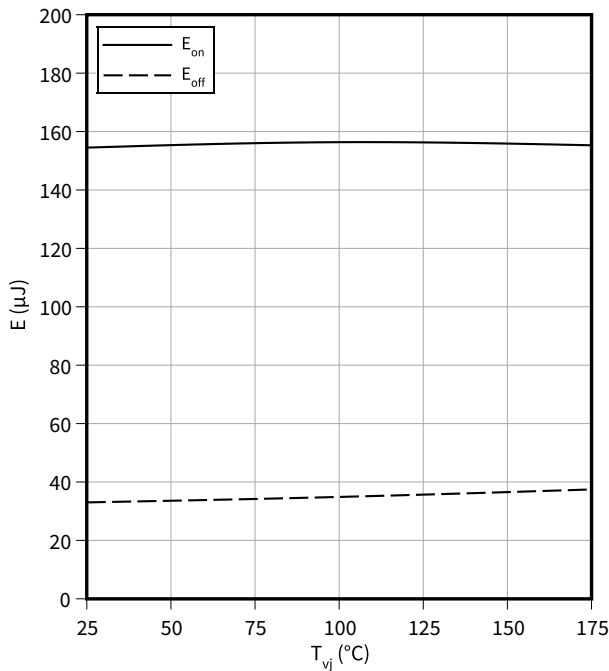
$f = 100 \text{ kHz}$ ,  $V_{GS} = 0 \text{ V}$



**Typical switching energy as a function of junction temperature, test circuit in Fig. F, 2nd device external SiC diode**

$E = f(T_{vj})$

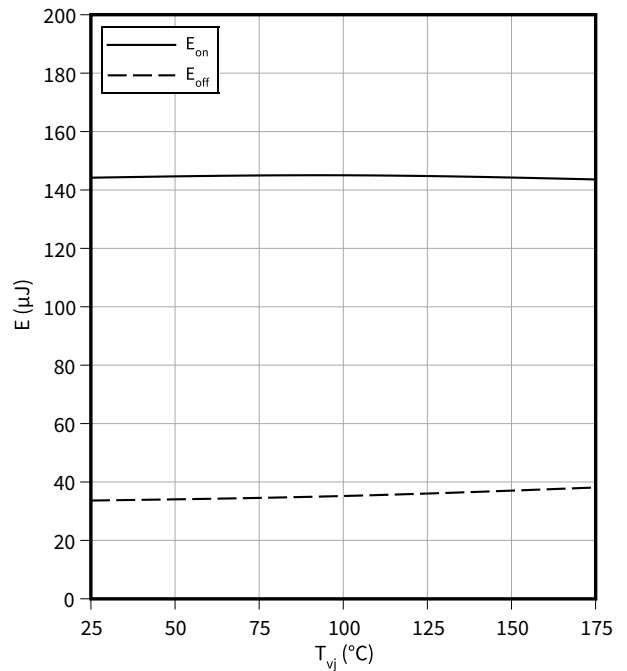
$V_{GS} = 0/18 \text{ V}$ ,  $I_D = 18.2 \text{ A}$ ,  $R_{G,ext} = 2.8 \Omega$ ,  $V_{DD} = 800 \text{ V}$



**Typical switching energy as a function of junction temperature, test circuit in Fig. F, 2nd device external SiC diode**

$E = f(T_{vj})$

$V_{GS} = -5/18 \text{ V}$ ,  $I_D = 18.2 \text{ A}$ ,  $R_{G,ext} = 2.8 \Omega$ ,  $V_{DD} = 800 \text{ V}$

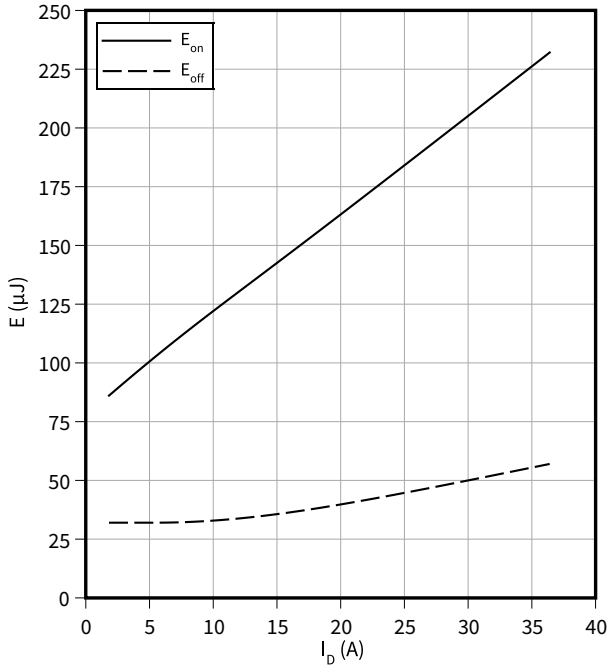


4 Characteristics diagrams

**Typical switching energy as a function of drain current, test circuit in Fig. F, 2nd device external SiC diode**

$E = f(I_D)$

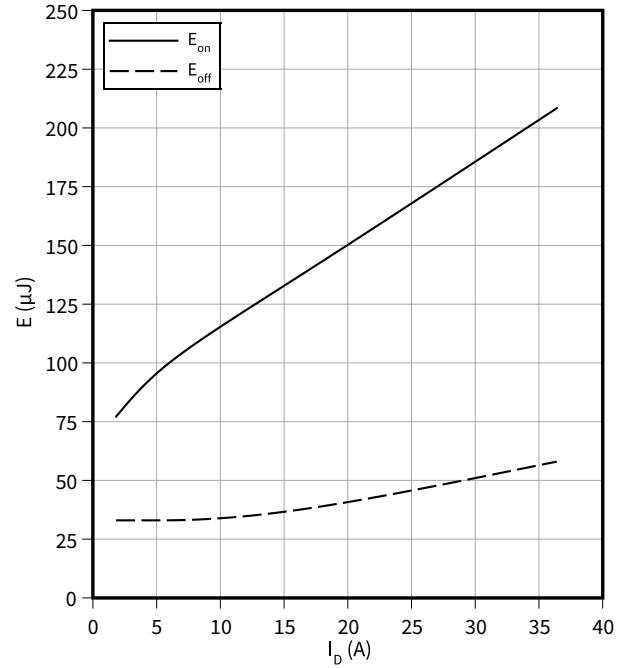
$V_{GS} = 0/18\text{ V}$ ,  $T_{vj} = 175\text{ °C}$ ,  $R_{G,ext} = 2.8\ \Omega$ ,  $V_{DD} = 800\text{ V}$



**Typical switching energy as a function of drain current, test circuit in Fig. F, 2nd device external SiC diode**

$E = f(I_D)$

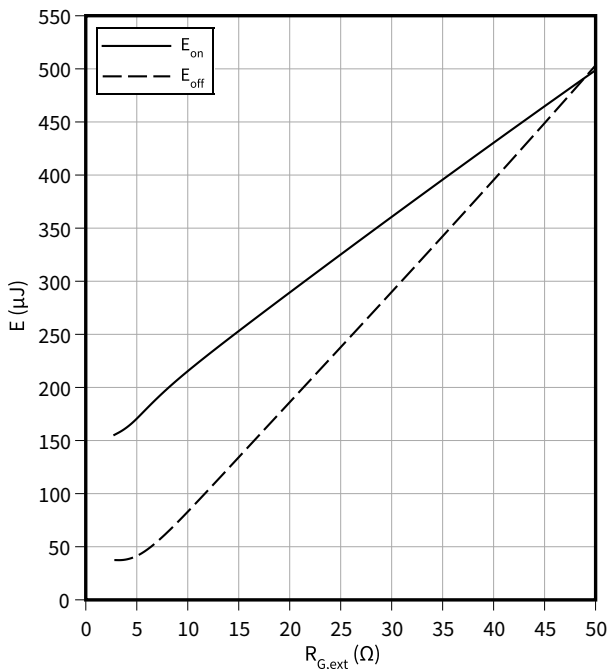
$V_{GS} = -5/18\text{ V}$ ,  $T_{vj} = 175\text{ °C}$ ,  $R_{G,ext} = 2.8\ \Omega$ ,  $V_{DD} = 800\text{ V}$



**Typical switching energy as a function of gate resistance, test circuit in Fig. F, 2nd device external SiC diode**

$E = f(R_{G,ext})$

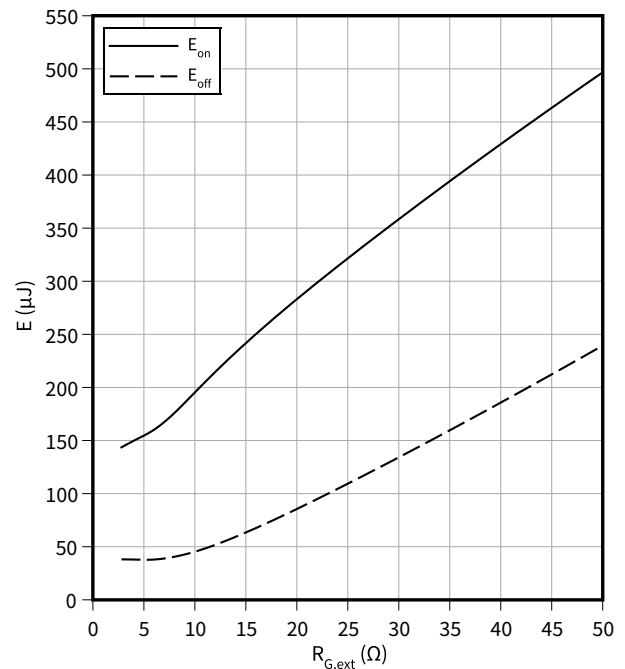
$V_{GS} = 0/18\text{ V}$ ,  $I_D = 18.2\text{ A}$ ,  $T_{vj} = 175\text{ °C}$ ,  $V_{DD} = 800\text{ V}$



**Typical switching energy as a function of gate resistance, test circuit in Fig. F, 2nd device external SiC diode**

$E = f(R_{G,ext})$

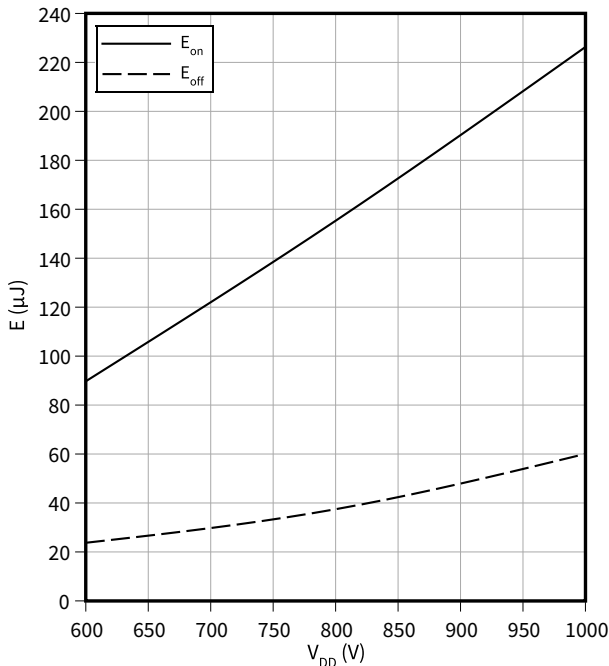
$V_{GS} = -5/18\text{ V}$ ,  $I_D = 18.2\text{ A}$ ,  $T_{vj} = 175\text{ °C}$ ,  $V_{DD} = 800\text{ V}$



4 Characteristics diagrams

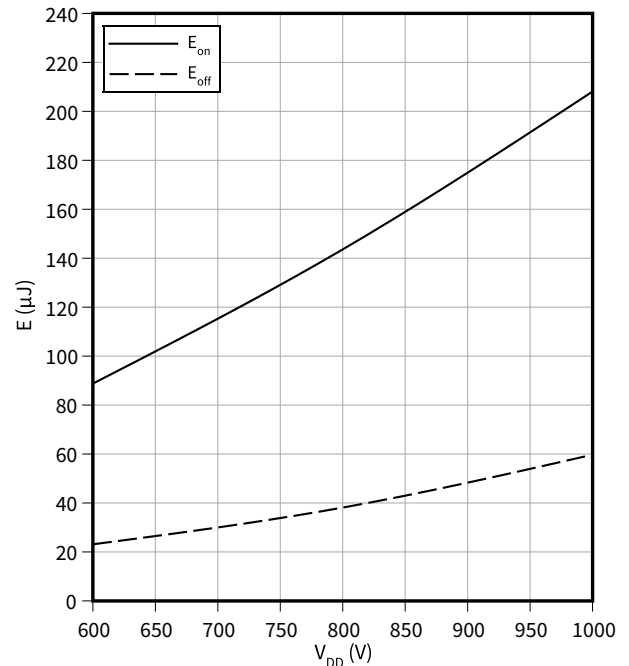
**Typical switching energy as a function of DC link voltage, test circuit in Fig. F, 2nd device external SiC diode**

$E = f(V_{DD})$   
 $V_{GS} = 0/18\text{ V}$ ,  $I_D = 18.2\text{ A}$ ,  $T_{vj} = 175\text{ °C}$ ,  $R_{G,ext} = 2.8\text{ }\Omega$



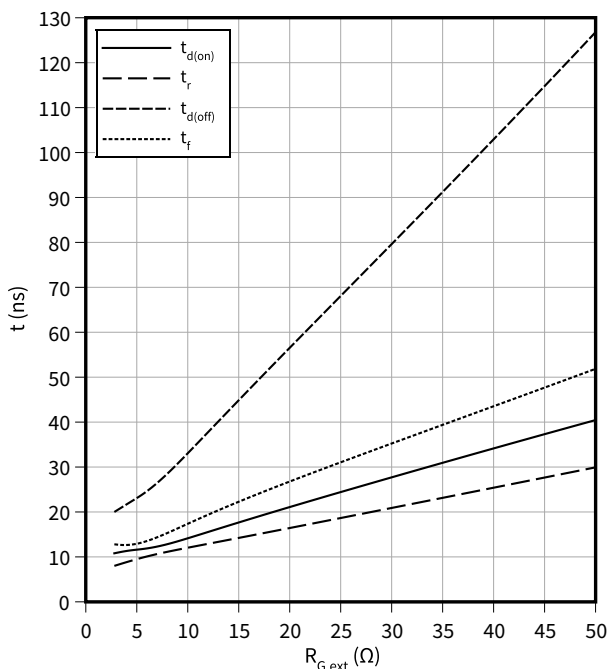
**Typical switching energy as a function of DC link voltage, test circuit in Fig. F, 2nd device external SiC diode**

$E = f(V_{DD})$   
 $V_{GS} = -5/18\text{ V}$ ,  $I_D = 18.2\text{ A}$ ,  $T_{vj} = 175\text{ °C}$ ,  $R_{G,ext} = 2.8\text{ }\Omega$



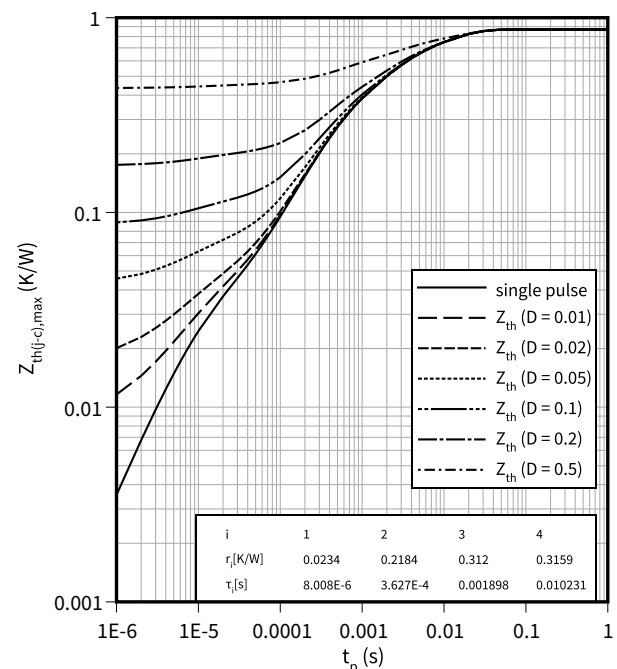
**Typical switching times as a function of gate resistance, test circuit in Fig. F, 2nd device external SiC diode**

$t = f(R_{G,ext})$   
 $V_{GS} = 0/18\text{ V}$ ,  $I_D = 18.2\text{ A}$ ,  $T_{vj} = 175\text{ °C}$ ,  $V_{DD} = 800\text{ V}$



**Max. transient thermal impedance (MOSFET)**

$Z_{th(j-c),max} = f(t_p)$   
 $D = t_p/T$

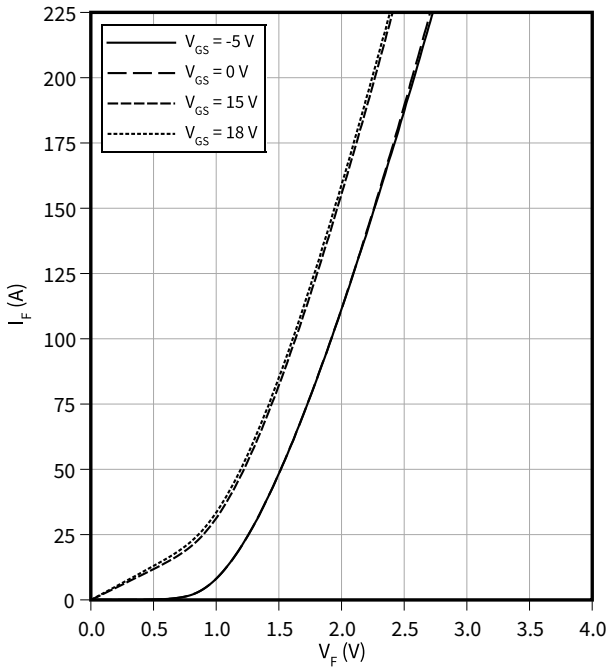


4 Characteristics diagrams

**Typical diode forward current as a function of forward voltage,  $V_{GS}$  as a parameter**

$I_F = f(V_F)$

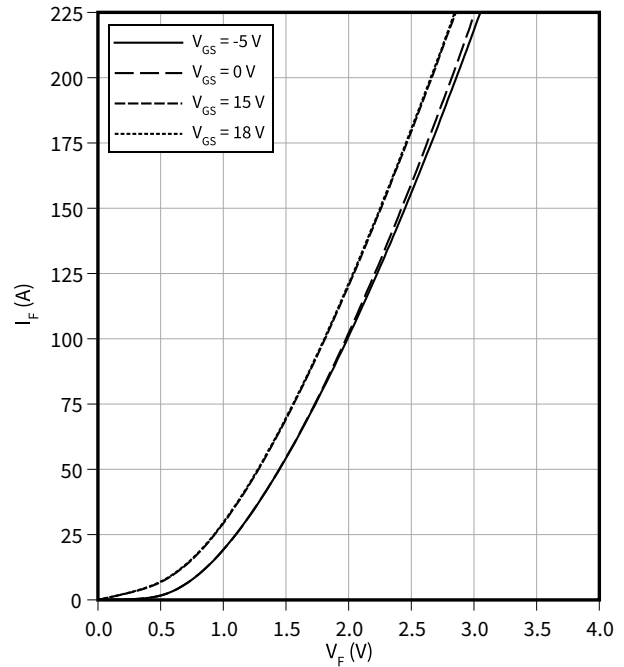
$t_p = 20 \mu s, T_{vj} = 25 \text{ }^\circ C$



**Typical diode forward current as a function of forward voltage,  $V_{GS}$  as a parameter**

$I_F = f(V_F)$

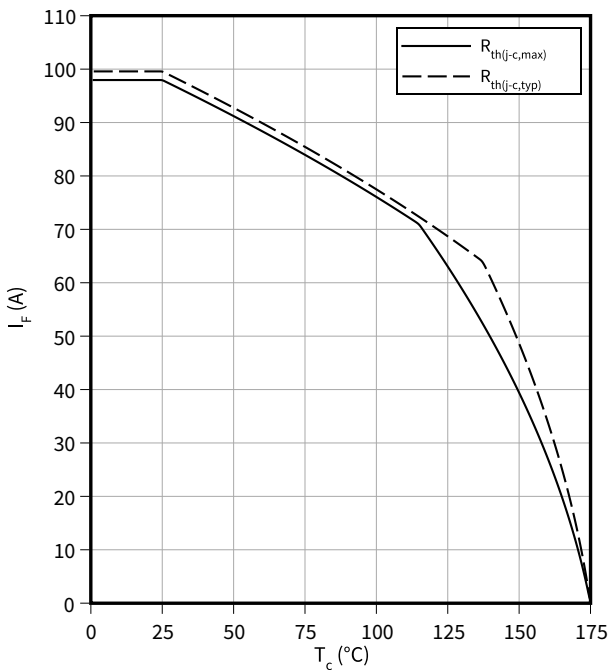
$t_p = 20 \mu s, T_{vj} = 175 \text{ }^\circ C$



**Maximum diode forward current as a function of case temperature limited by bond wire**

$I_F = f(T_c)$

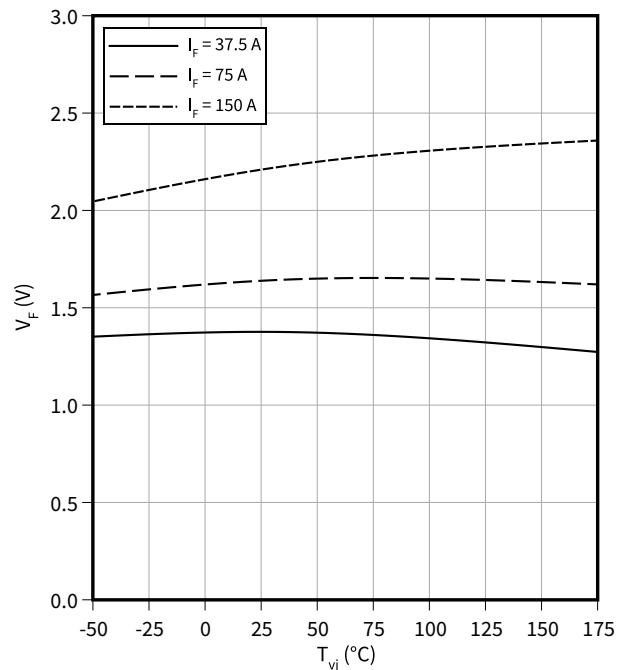
$V_{GS} = 0 V$



**Typical diode forward voltage as function of junction temperature**

$V_F = f(T_{vj})$

$V_{GS} = 0 V$

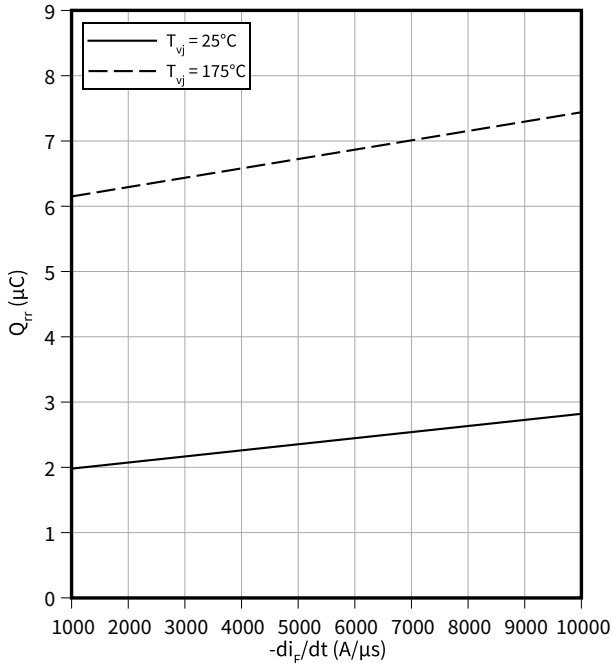


4 Characteristics diagrams

**Typical reverse recovery charge as function of diode current slope, test circuit in Fig. G, 2nd device reverse-polarity protection co-packed diode**

$$Q_{rr} = f(-di_F/dt)$$

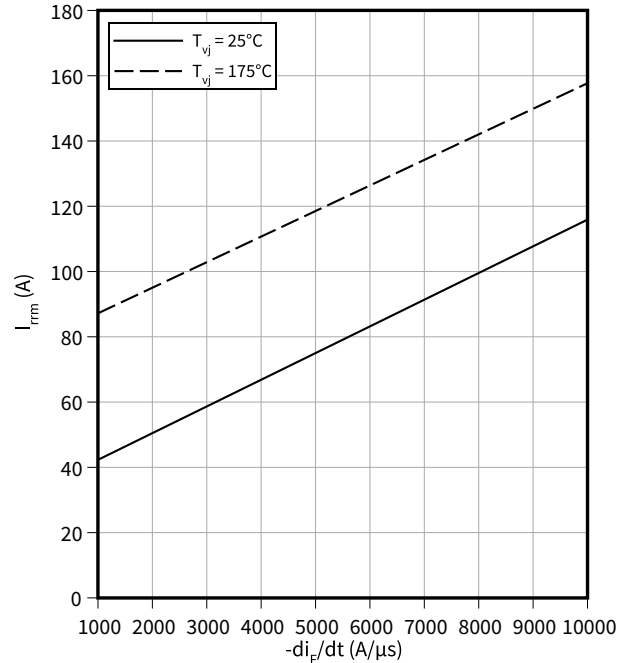
$V_{GS} = 0/18\text{ V}$ ,  $V_{DD} = 800\text{ V}$ ,  $I_F = 18.2\text{ A}$



**Typical reverse recovery current as function of diode current slope, test circuit in Fig. G, 2nd device reverse-polarity protection co-packed diode**

$$I_{rrm} = f(-di_F/dt)$$

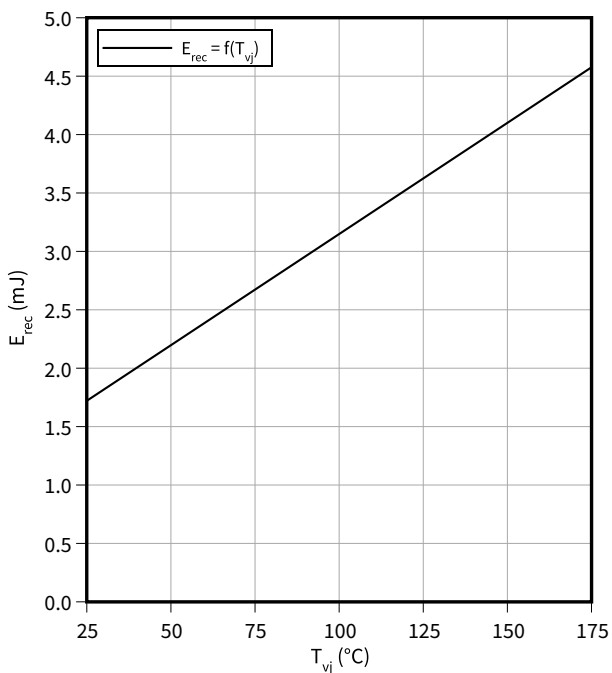
$V_{GS} = 0/18\text{ V}$ ,  $V_{DD} = 800\text{ V}$ ,  $I_F = 18.2\text{ A}$



**Typical reverse energy losses as function of junction temperature, test circuit in Fig. G, 2nd device reverse-polarity protection co-packed diode**

$$E_{rec} = f(T_{vj})$$

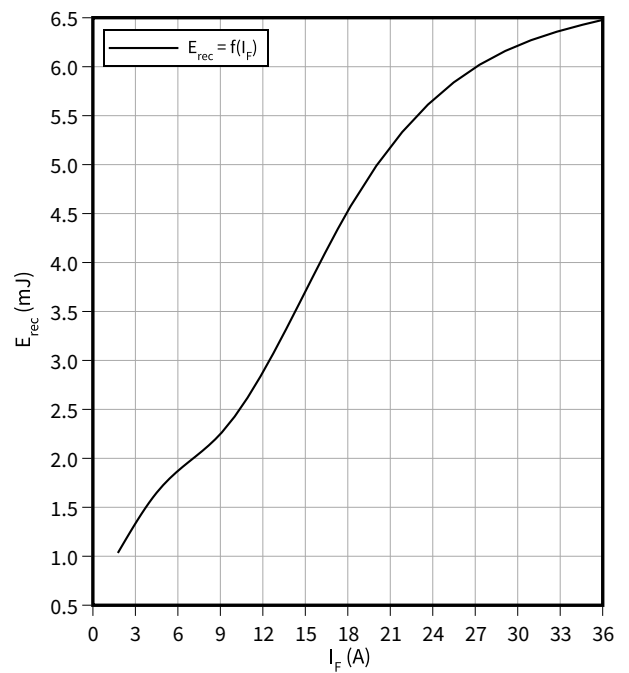
$V_{GS} = 0/18\text{ V}$ ,  $R_{G,ext} = 2.8\ \Omega$ ,  $V_{DD} = 800\text{ V}$ ,  $I_F = 18.2\text{ A}$



**Typical reverse energy losses as function of diode current, test circuit in Fig. G, 2nd device reverse-polarity protection co-packed diode**

$$E_{rec} = f(I_F)$$

$V_{GS} = 0/18\text{ V}$ ,  $T_{vj} = 175\text{ °C}$ ,  $R_{G,ext} = 2.8\ \Omega$ ,  $V_{DD} = 800\text{ V}$

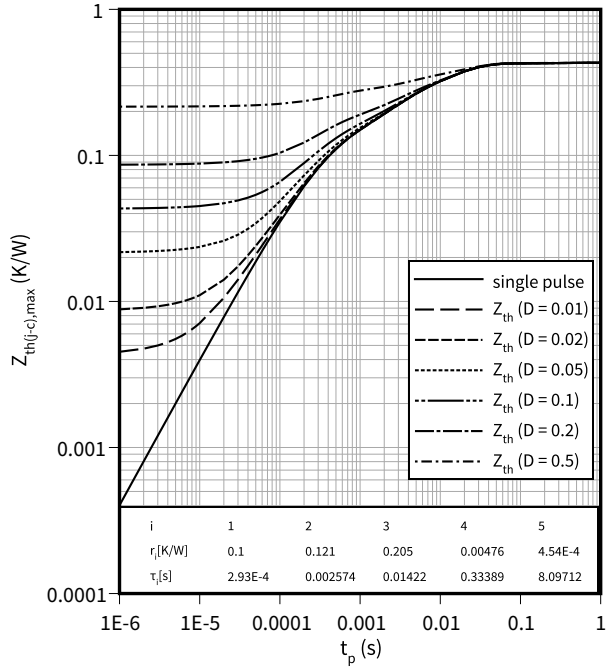


4 Characteristics diagrams

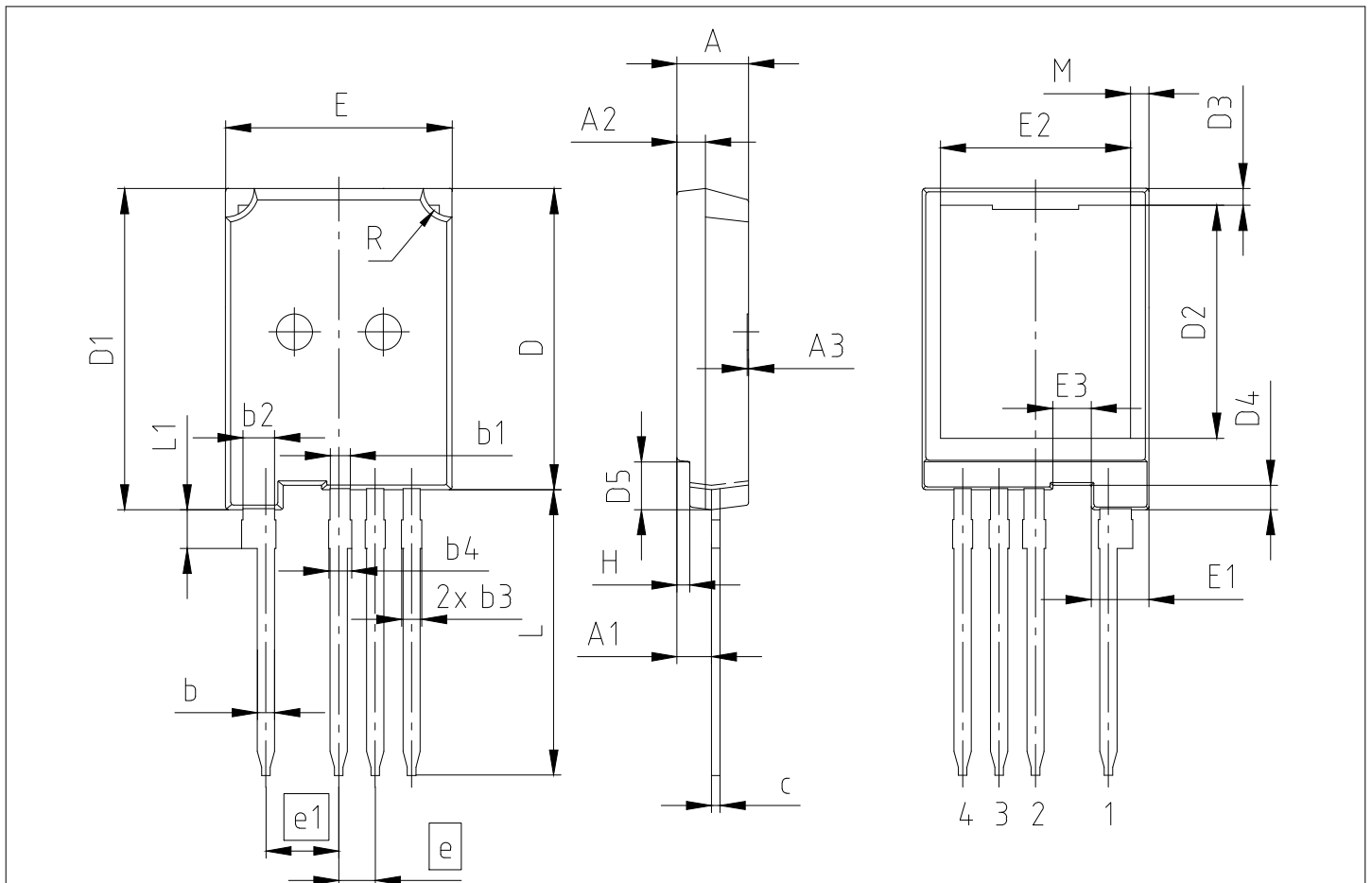
**Max. transient thermal impedance (protection diode)**

$$Z_{th(j-c),max} = f(t_p)$$

$$D = t_p/T$$



5 Package outlines



NOTES:  
PACKAGE SURFACE ROUTE BETWEEN PIN 1 & PIN 2 WILL BE 5.1 mm MIN.  
ALL b... AND c DIMENSIONS INCLUDING PLATING EXPECT AREA OF CUTTING

PACKAGE - GROUP NUMBER:		PG-TO247-4-U10			
DIMENSIONS	MILLIMETERS		DIMENSIONS	MILLIMETERS	
	MIN.	MAX.		MIN.	MAX.
A	4.90	5.10	E	15.70	15.90
A1	2.31	2.51	E1	3.90	4.10
A2	1.90	2.10	E2	13.10	13.50
b	1.16	1.29	E3	2.58	2.78
b1	1.36	1.49	e	2.54	
b2	2.16	2.29	e1	5.08	
b3	1.16	1.45	H	0.80	1.00
b4	1.16	1.65	N	4	
c	0.59	0.66	L	19.80	20.10
D	20.90	21.10	L1	2.55	2.85
D1	22.30	22.50	M	0.97	1.57
D2	15.95	16.55	R	1.90	2.10
D3	1.00	1.35			
D4	1.60	1.80			
D5	3.24	3.44			

Figure 1

## 6 Testing conditions

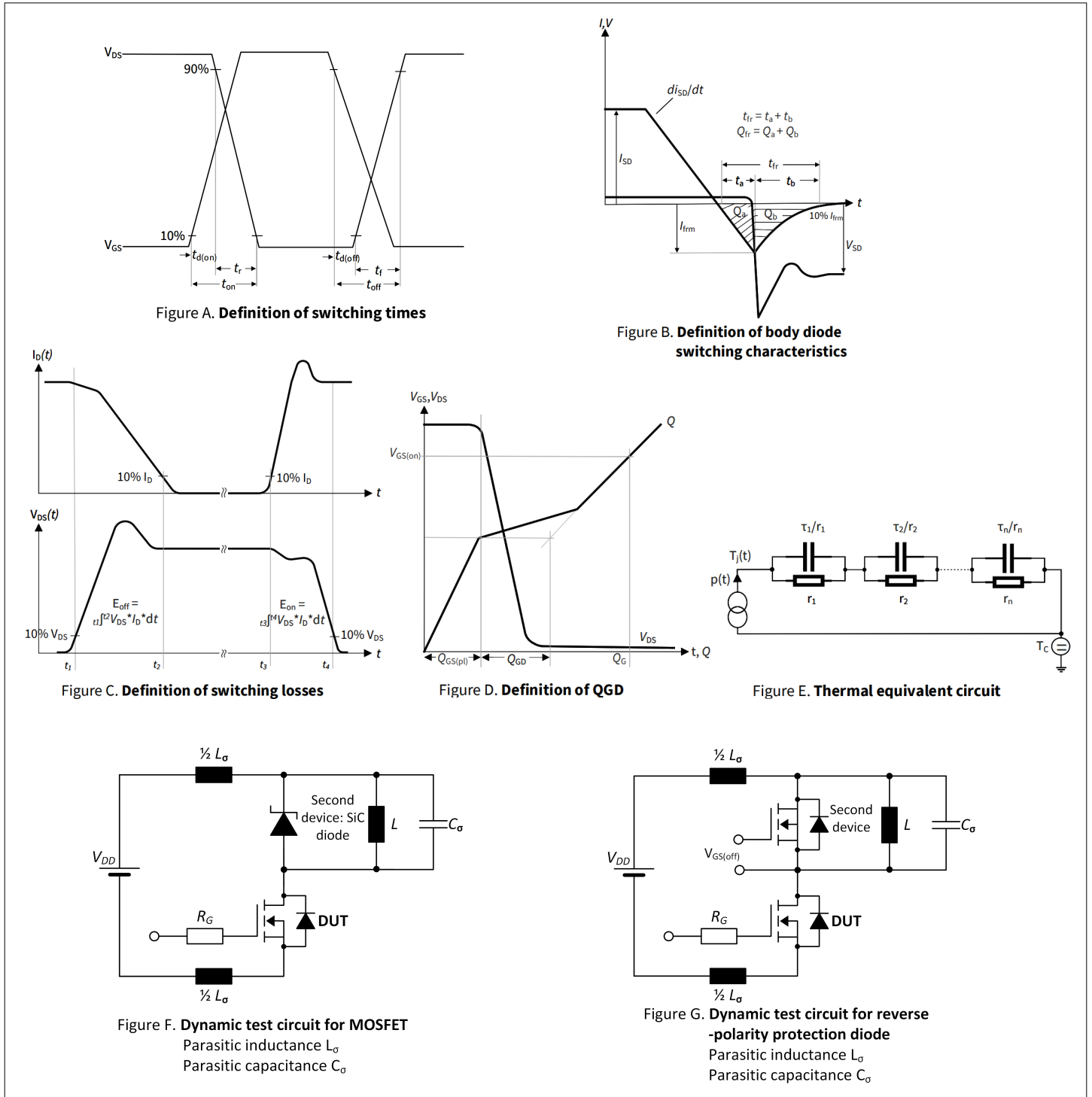


Figure 2

## Revision history

Document revision	Date of release	Description of changes
0.10	2025-03-12	Target datasheet
0.20	2025-08-08	Preliminary datasheet
1.00	2025-11-20	Final datasheet

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**IFX-ABN219-003**

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