

Multilayer Ceramic Chip Capacitors

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CGA5H4X7R2J103K115AA



TDK item description ? CGA5H4X7R2J103KT****

Applications Automotive Grade

Feature
Mid Mid Voltage (100 to 630V)
AEC-Q200 AEC-Q200

Series CGA5(3216) [EIA 1206]

Status Production



Images are for reference only and show exemplary products.

PDF file of this page

Contact

- Documents**
- Catalog
 - Specification Update
 - RoHS Certificate Update
 - SVHC/REACH Certificate
 - Selection Guide for Automotive MLCC New
 - [Promotion Video] xEV Higher Withstand Voltage Applications Recommended
 - Sample Kits
 - Characterization Sheet

- Technical Support Tools**
- S-parameter
 - SPICE Netlist (Simple)
 - SPICE Netlist (Precision)
 - Equivalent Circuit Model
 - DC Bias/Superimposition Model (HSPICE)

Size

Length(L)	3.20mm ±0.20mm
Width(W)	1.60mm ±0.20mm
Thickness(T)	1.15mm ±0.15mm
Terminal Width(B)	0.20mm Min.
Terminal Spacing(G)	1.00mm Min.
Recommended Land Pattern (PA)	2.10mm to 2.50mm(Flow Soldering) 2.00mm to 2.40mm(Reflow Soldering)
Recommended Land Pattern (PB)	1.10mm to 1.30mm(Flow Soldering) 1.00mm to 1.20mm(Reflow Soldering)
Recommended Land Pattern (PC)	1.00mm to 1.30mm(Flow Soldering) 1.10mm to 1.60mm(Reflow Soldering)

Electrical Characteristics

Capacitance	10nF ±10%
Rated Voltage	630VDC
Temperature Characteristic ?	X7R(±15%)
Dissipation Factor (Max.)	3%
Insulation Resistance (Min.)	10000MΩ

Other

Soldering Method	Wave (Flow) Reflow
AEC-Q200	Yes
Packing	Blister (Plastic)Taping [180mm Reel]
Package Quantity	2000pcs

Characteristic Graph (This is reference data, and does not guarantee the products characteristics.)



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Configuration

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Configuration

Capacitance

CGA5H4X7R2J103K115AA

Configuration

DC Bias Characteristic

CGA5H4X7R2J103K115AA

Configuration

Temperature Characteristic

CGA5H4X7R2J103K115AA(No Bias) CGA5H4X7R2J103K115AA(DC Bias = 315V)

Configuration

Ripple Temperature Rising

CGA5H4X7R2J103K115AA(100 kHz) CGA5H4X7R2J103K115AA(500 kHz) CGA5H4X7R2J103K115AA(1 MHz)

Configuration



[Selection Guides](#) [Search by Part No.](#) [Search by Characteristics](#) [Distributor Inventory Check](#) [Cross Reference](#)

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- Capacitors >
- Inductors (Coils) >
- EMC Components >
- RF Components and Modules >
- Voltage / Current / Temperature Protection Devices >
- Sensors and Sensor Systems >

- Ceramic Switching / Heating, Piezo Components, Buzzers and Microphones >
- Transformers >
- Ferrites and Accessories >
- Noise Suppressing / Magnetic Sheet >
- Anechoic Chambers and Radio Wave Absorbers >
- Power Supplies >
- Magnets >
- Flash Storages >
- Wireless Power Transfer >
- FA Systems >
- Transparent Conductive Film >
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