

Multilayer Ceramic Chip Capacitors

Product Top Page

Search by Part No.

Search by Characteristics

Cross Reference

Catalog

Tech Notes

Technical Support Tools

FAQ

CGA3E1C0G2A682J080AC



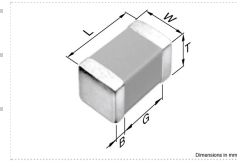
TDK item description ? CGA3E1C0G2A682JT****

Applications Automotive Grade

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

Series CGA3(1608) [EIA 0603]

Status Production



Images are for reference only and show exemplary products.

PDF file of this page

Buy Now

Contact

Documents

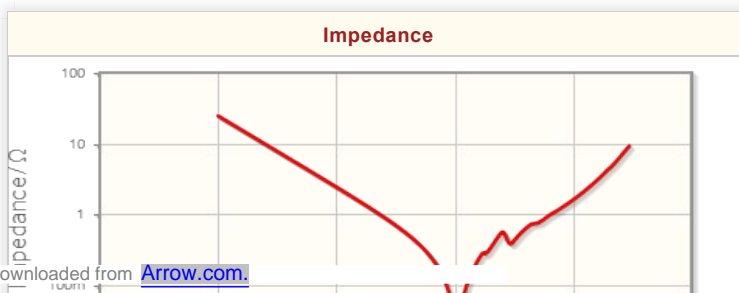
- Catalog
- Specification
- RoHS Certificate
- SVHC/REACH Certificate
- Characterization Sheet
- Promotion Video
- Sample Kits

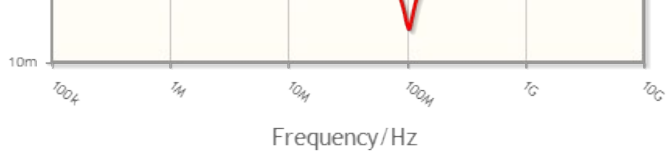
Size	
Length(L)	1.60mm ±0.10mm
Width(W)	0.80mm ±0.10mm
Thickness(T)	0.80mm ±0.10mm
Terminal Width(B)	0.20mm Min.
Terminal Spacing(G)	0.30mm Min.
Recommended Land Pattern (PA)	0.70mm to 1.00mm(Flow Soldering) 0.60mm to 0.80mm(Reflow Soldering)
Recommended Land Pattern (PB)	0.80mm to 1.00mm(Flow Soldering) 0.60mm to 0.80mm(Reflow Soldering)
Recommended Land Pattern (PC)	0.60mm to 0.80mm(Flow Soldering) 0.60mm to 0.80mm(Reflow Soldering)

Electrical Characteristics	
Capacitance	6.8nF ±5%
Rated Voltage	100VDC
Temperature Characteristic ?	C0G(0±30ppm/°C)
Q (Min.)	1000
Insulation Resistance (Min.)	10000MΩ

Other	
Soldering Method	Wave (Flow) Reflow
AEC-Q200	Yes
Packing	Punched (Paper)Taping [180mm Reel]
Package Quantity	4000pcs

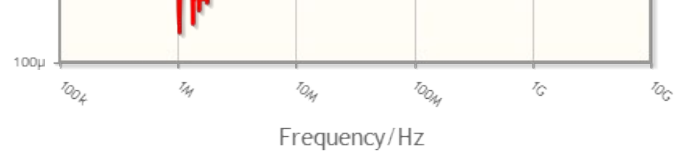
Characteristic Graph (This is reference data, and does not guarantee the products characteristics.)





CGA3E1C0G2A682J080AC

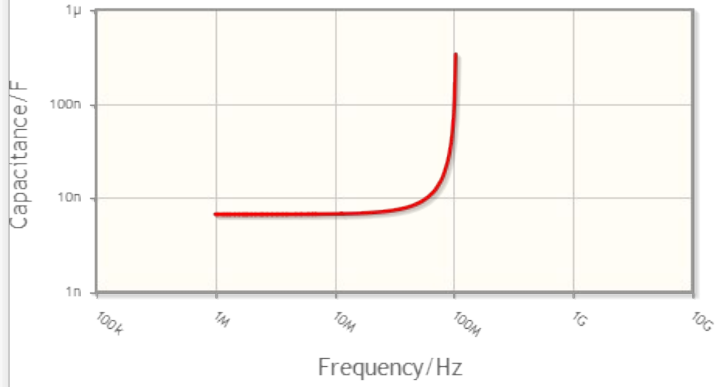
Change settings



CGA3E1C0G2A682J080AC

Change settings

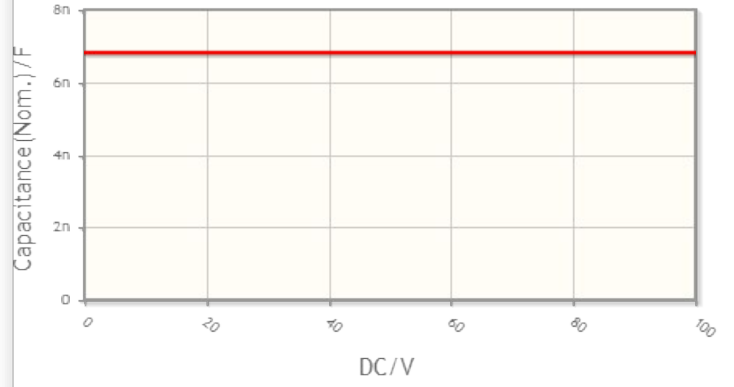
Capacitance



CGA3E1C0G2A682J080AC

Change settings

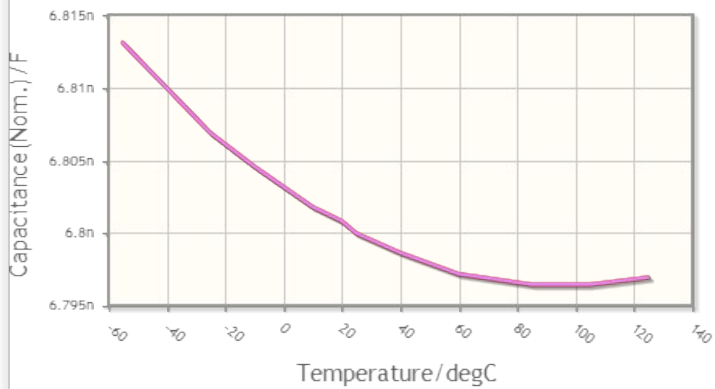
DC Bias Characteristic



CGA3E1C0G2A682J080AC

Change settings

Temperature Characteristic



CGA3E1C0G2A682J080AC(No Bias) CGA3E1C0G2A682J080AC(DC Bias s = 50V)

Change settings

Ripple Temperature Rising

no data available

Change settings

Products

» Search by Part No. » Search by Characteristics » Distributor Inventory Check

- » 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
- » Micro Modules (Substrates with Built-in ICs, Products Utilizing with SESUB)
- » Solar Cells
- » Biosensor

Application Guides

Technical Support



Tech Library

Environment

Contact

News

Home

-  About TDK
-  TDK Worldwide

