

Multilayer Ceramic Chip Capacitors

Product Top Page	Search by Part No.	Search by Characteristics	Cross Reference	Catalog	Tech Notes	Technical Support Tools	FAQ
------------------	--------------------	---------------------------	-----------------	---------	------------	-------------------------	-----

CGA3E2C0G1H101J080AA



TDK item description ? CGA3E2C0G1H101JT****

Applications Automotive Grade

Feature
General General (Up to 50V)
AEC-Q200 AEC-Q200

Series CGA3(1608) [EIA 0603]

Status Production



Images are for reference only and show exemplary products.

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	100pF ±5%
Rated Voltage	50VDC
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

PDF file of this page

Contact

Documents

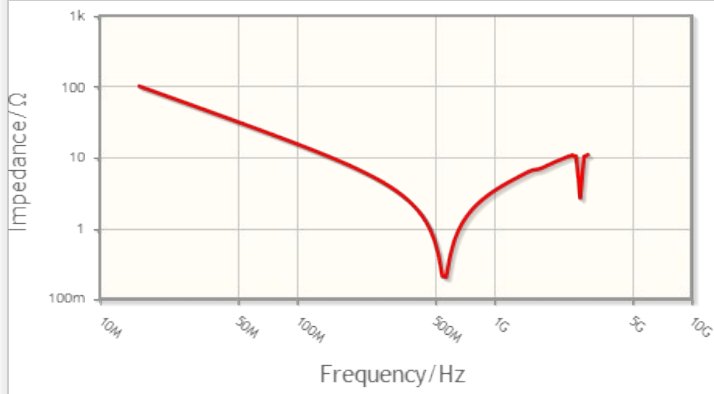
- Catalog
- Specification
- RoHS Certificate
- SVHC/REACH Certificate
- [Promotion Video] ADAS ECU Power Supply Circuit Applications Vol.1 Recommended
- Selection Guide for Automotive MLCC New
- [Promotion Video] ADAS ECU Power Supply Circuit Applications Vol.2 Recommended
- Sample Kits
- Characterization Sheet

Technical Support Tools

- S-parameter
- SPICE Netlist (Simple)
- SPICE Netlist (Precision)
- Equivalent Circuit Model

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

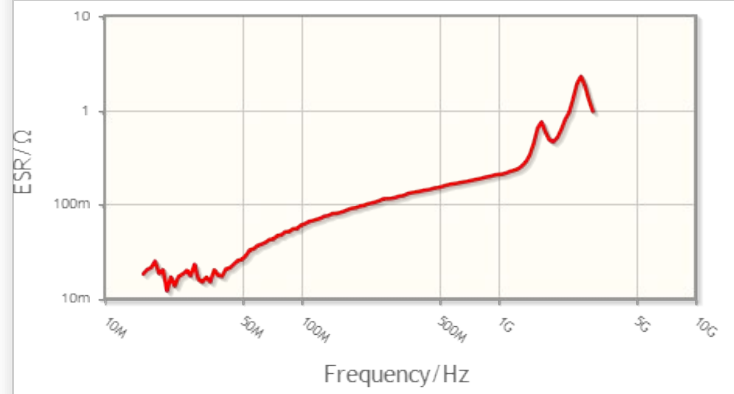
Impedance



CGA3E2C0G1H101J080AA

Change settings

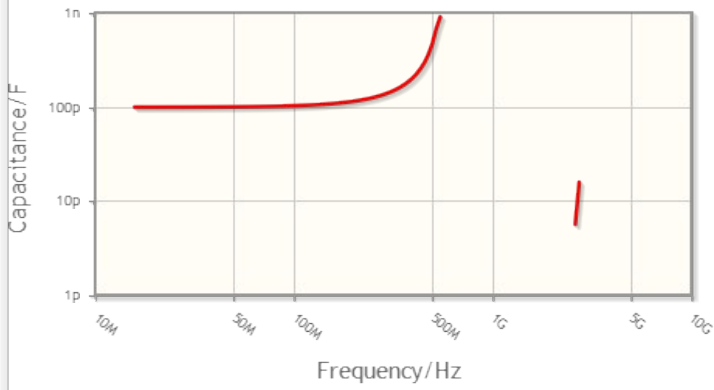
ESR



CGA3E2C0G1H101J080AA

Change settings

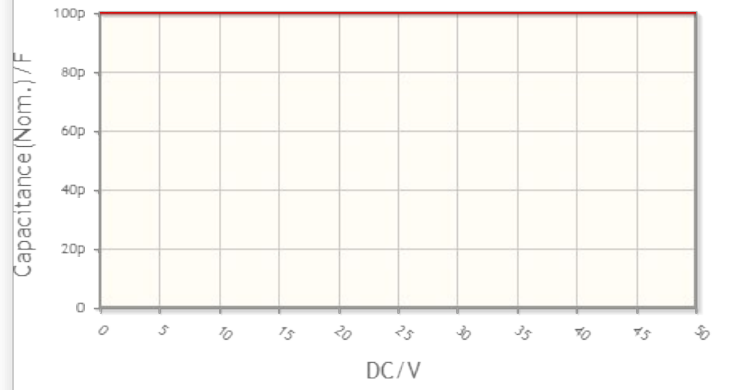
Capacitance



CGA3E2C0G1H101J080AA

Change settings

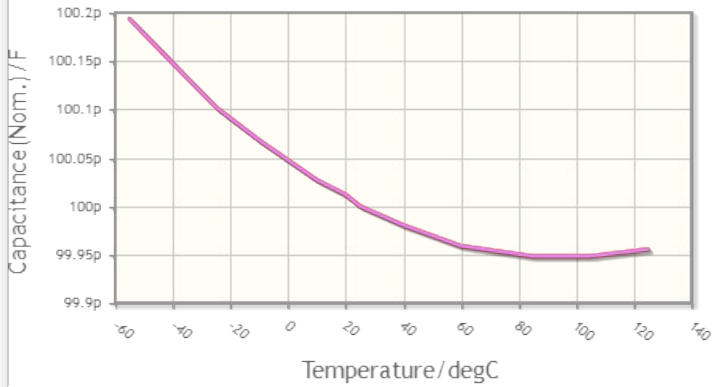
DC Bias Characteristic



CGA3E2C0G1H101J080AA

Change settings

Temperature Characteristic



CGA3E2C0G1H101J080AA(No Bias) CGA3E2C0G1H101J080AA(DC Bias = 25V)

Change settings

Ripple Temperature Rising

no data available

Change settings



Products

Capacitors >

- [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 Specific IC \(ASIC\) Development and Supply](#) >

Application Guides

Technical Support

Tech Library

Environment

Contact

News

Home

About TDK

TDK Worldwide

[Terms of Use](#) [Privacy Policy](#) [Cookie Policy](#)

Copyright(c) 2018 TDK Corporation. All rights reserved.
TDK logo is a trademark or registered trademark of TDK Corporation.

