

Multilayer Ceramic Chip Capacitors

Product Top Page Search by Part No. Search by Characteristics Cross Reference Catalog Tech Note Technical Support Tool FAQ

CGA3E2X7R2A153K080AA



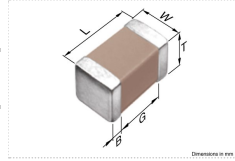
TDK item description ? CGA3E2X7R2A153KT****

Applications Automotive Grade

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

Series CGA3(1608) [EIA 0603]

Status Production (Not Recommended for New Design)



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

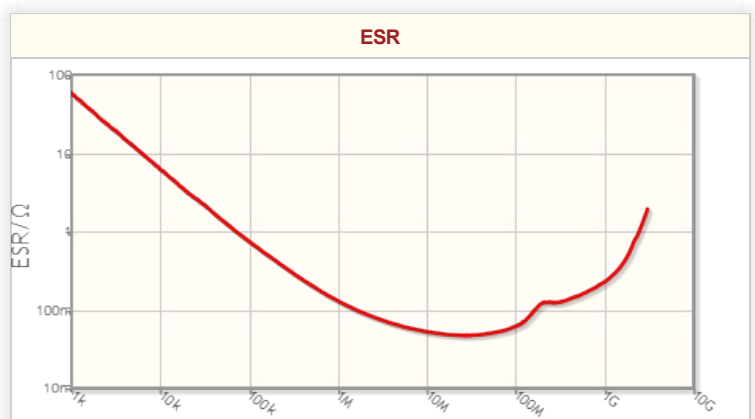
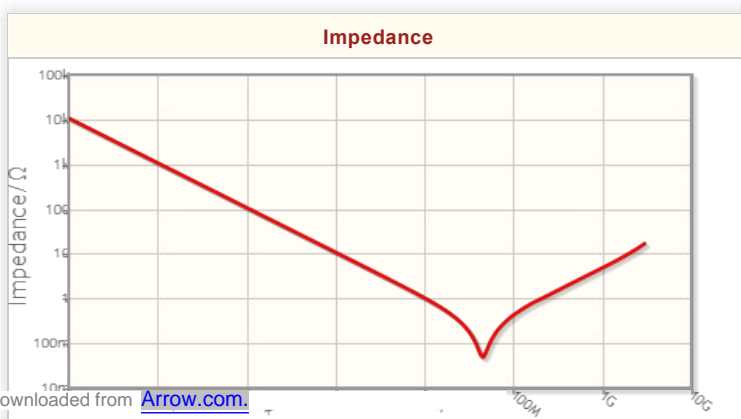
- Technical Support Tools**
- S-parameter
 - SPICE Netlist (Simple)
 - SPICE Netlist (Precision)
 - Equivalent Circuit Model
 - DC Bias/Superimposition Model (HSPICE)

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	15nF ±10%
Rated Voltage	100VDC
Temperature Characteristic ?	X7R(±15%)
Dissipation Factor (Max.)	3%
Insulation Resistance (Min.)	10000MΩ

Other	
Soldering Method	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.)

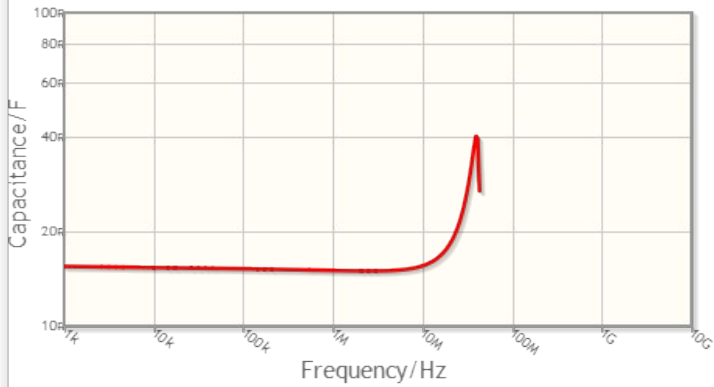


Frequency/Hz

CGA3E2X7R2A153K080AA

Change settings

Capacitance



CGA3E2X7R2A153K080AA

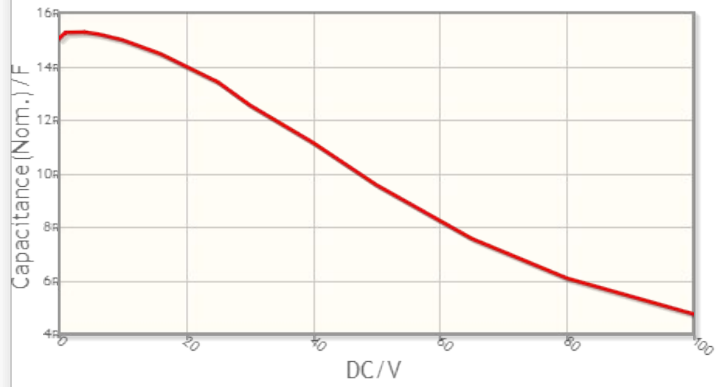
Change settings

Frequency/Hz

CGA3E2X7R2A153K080AA

Change settings

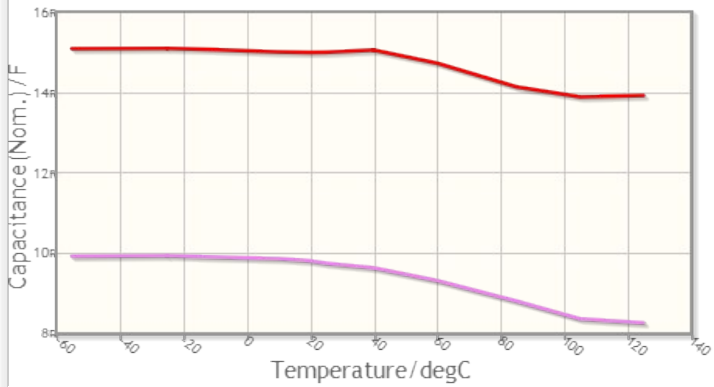
DC Bias Characteristic



CGA3E2X7R2A153K080AA

Change settings

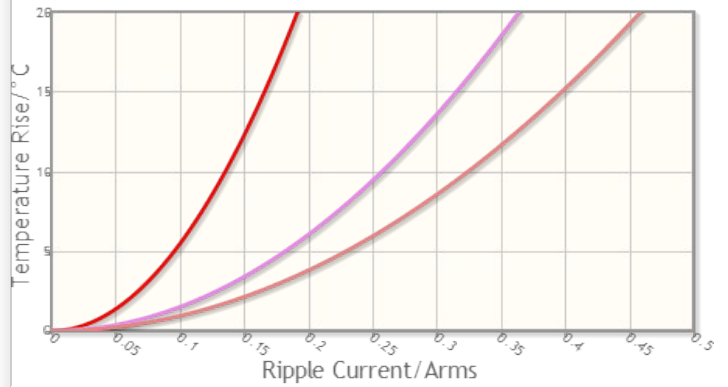
Temperature Characteristic



CGA3E2X7R2A153K080AA(No Bias) CGA3E2X7R2A153K080AA(DC Bias s = 50V)

Change settings

Ripple Temperature Rising



CGA3E2X7R2A153K080AA(10 0kHz) CGA3E2X7R2A153K080AA(50 0kHz) CGA3E2X7R2A153K080AA(1 MHz)

Change settings

Products

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

- » Capacitors
- » Inductors (Coils)
- » EMC Components
- » RF / SAW Components and Modules
- » Voltage / Current / Temperature Protection Devices
- » Sensors and Sensor Systems
- » Ceramic Switching / Heating, Piezo Components and Buzzers
- » Transformers
- » Ferrites and Accessories
- » Noise Suppressing / Magnetic Sheet
- » Anechoic Chambers and Radio Wave Absorbers
- » Power Supplies
- » Magnets
- » Flash Storages
- » Wireless Charging
- » 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

