

Multilayer Ceramic Chip Capacitors

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FAQ

CGA5H3NP02E103J115AA



TDK item description ? CGA5H3NP02E103JT****

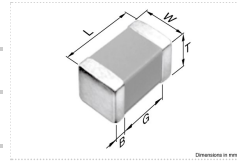
Applications Automotive Grade

Feature

- Mid Voltage (100 to 630V)
- High Temperature Application
- AEC-Q200

Series CGA5(3216) [EIA 1206]

Status Production



Images are for reference only and show exemplary products.

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Documents

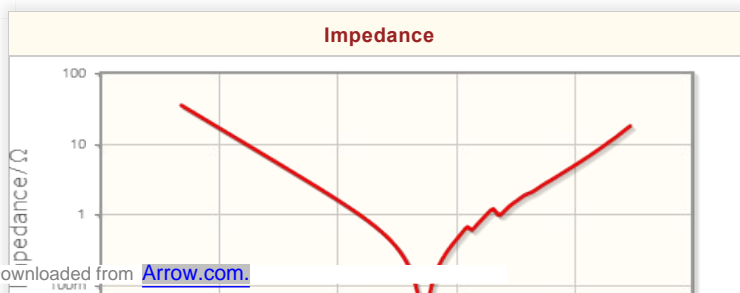
- Catalog
- Specification
- RoHS Certificate
- SVHC/REACH Certificate
- Characterization Sheet
- Promotion Video
- Sample Kits

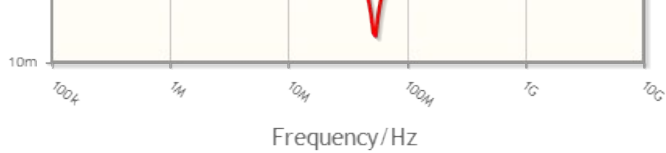
Size	
Length(L)	3.20mm ±0.20mm
Width(W)	1.60mm ±0.20mm
Thickness(T)	1.15mm ±0.15mm
Terminal Width(B)	0.20mm Min.
Terminal Spacing(G)	
Recommended Land Pattern (PA)	2.10mm to 2.50mm(Flow Soldering) 2.00mm to 2.40mm(Reflow Soldering)
Recommended Land Pattern (PB)	1.10mm to 1.30mm(Flow Soldering) 1.00mm 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 ±5%
Rated Voltage	250VDC
Temperature Characteristic ?	NP0(0±30ppm/°C)
Q (Min.)	1000
Insulation Resistance (Min.)	10000MΩ

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

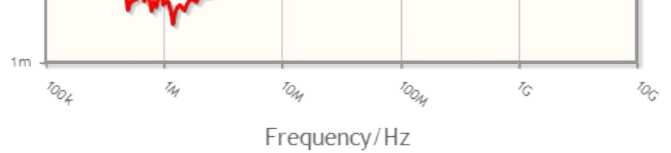
Characteristic Graph (This is reference data, and does not guarantee the products characteristics.)





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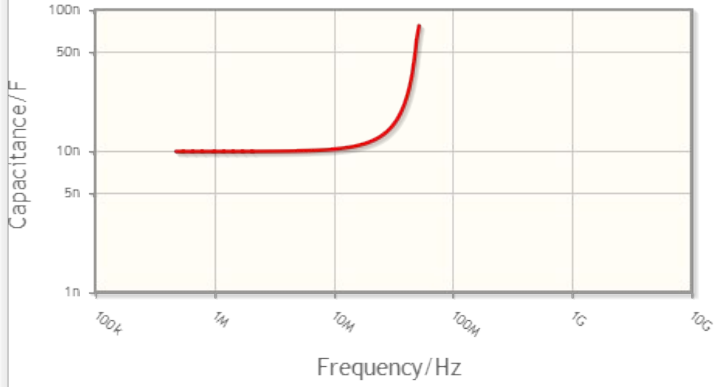
Change settings



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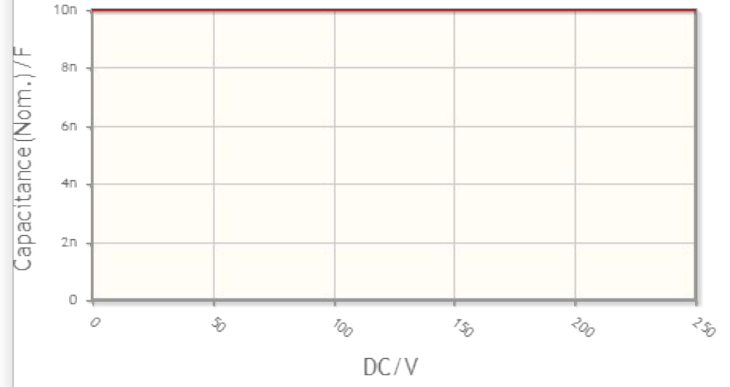
Capacitance



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Change settings

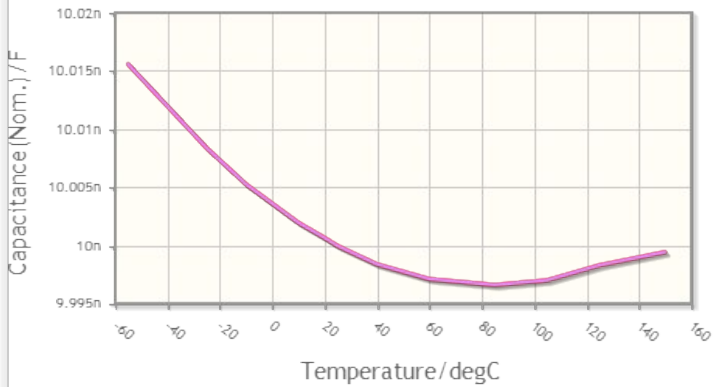
DC Bias Characteristic



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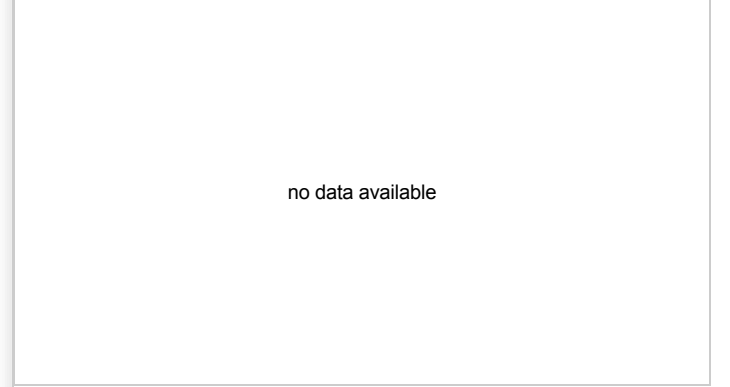
Temperature Characteristic



CGA5H3NP02E103J115AA(No Bias) CGA5H3NP02E103J115AA(DC Bias = 125V)

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Ripple Temperature Rising



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