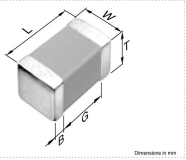
Multilayer Ceramic Chip Capacitors

CGA8N4NP02W473J230KA

RoHS | REACH SVHC-Free | Halogen Free | Lead Free

TDK item description	CGA8N4NP02W473JT****
Applications	Automotive Grade
Feature	Mid: Mid Voltage (100 to 630V) 150°C: High Temperature Application AEC-Q200: AEC-Q200
Series	CGA8(4532) [EIA 1812]
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

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

Size	
Length(L)	4.50mm ±0.40mm
Width(W)	3.20mm ±0.40mm
Thickness(T)	2.30mm ±0.20mm
Terminal Width(B)	0.20mm Min.
Terminal Spacing(G)	
Recommended Land Pattern (PA)	3.10mm to 3.70mm
Recommended Land Pattern (PB)	1.20mm to 1.40mm
Recommended Land Pattern (PC)	2.40mm to 3.20mm

Electrical Characteristics	
Capacitance	47nF ±5%
Rated Voltage	450VDC
Temperature Characteristic	NP0(0±30ppm/°C)
Q (Min.)	1000
Insulation Resistance (Min.)	10000MΩ

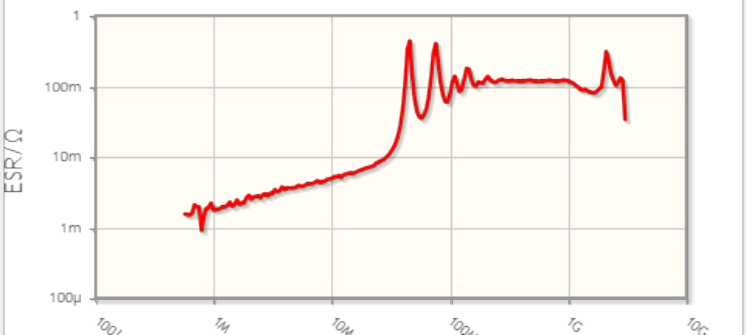
Other	
Soldering Method	Reflow
AEC-Q200	Yes
Packing	Blister (Plastic)Taping [180mm Reel]
Package Quantity	500pcs

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

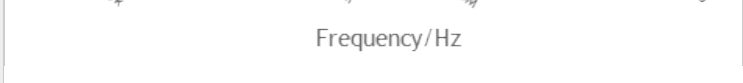
Impedance



ESR

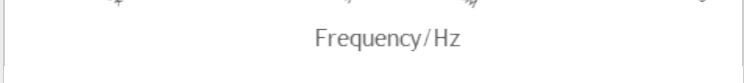


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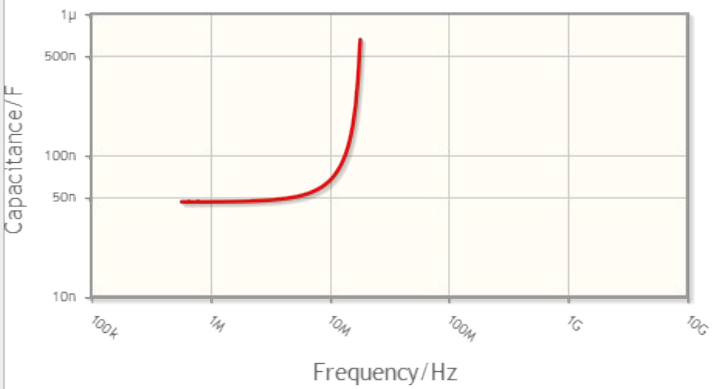
Change settings



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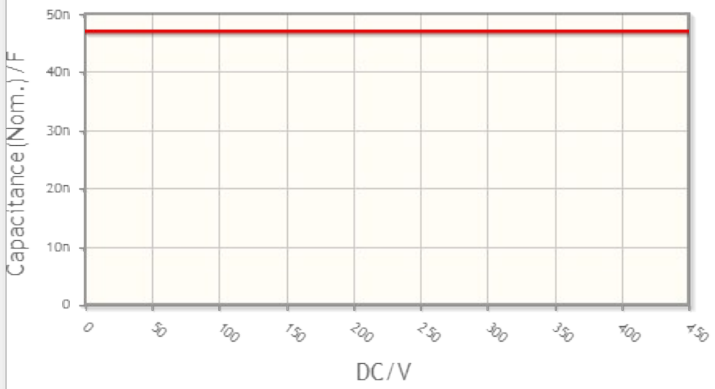
Capacitance



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Change settings

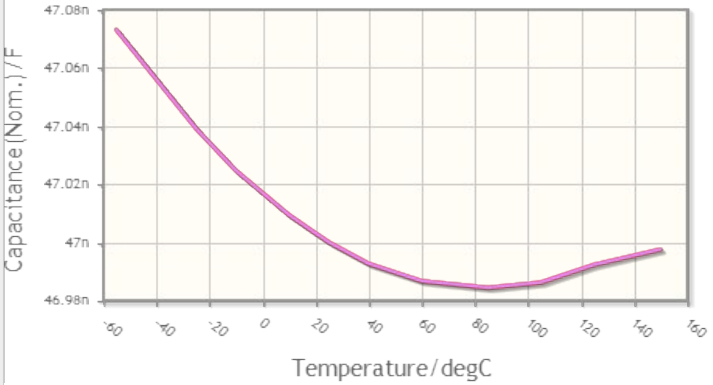
DC Bias Characteristic



CGA8N4NP02W473J230KA

Change settings

Temperature Characteristic



CGA8N4NP02W473J230KA(No Bias)

CGA8N4NP02W473J230KA(DC Bias = 225V)

Change settings

Ripple Temperature Rising

no data available

Change settings

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