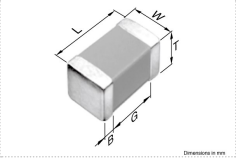
Multilayer Ceramic Chip Capacitors

CGA4C2C0G2A471J060AA

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

TDK item description	CGA4C2C0G2A471JT****
Applications	Automotive Grade
Feature	Mid Voltage (100 to 630V) AEC-Q200
Series	CGA4(2012) [EIA 0805]
Status	Production (Not Recommended for New Design)



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)	2.00mm ±0.20mm
Width(W)	1.25mm ±0.20mm
Thickness(T)	0.60mm ±0.15mm
Terminal Width(B)	0.20mm Min.
Terminal Spacing(G)	0.50mm Min.
Recommended Land Pattern (PA)	1.00mm to 1.30mm(Flow Soldering) 0.90mm to 1.20mm(Reflow Soldering)
Recommended Land Pattern (PB)	1.00mm to 1.20mm(Flow Soldering) 0.70mm to 0.90mm(Reflow Soldering)
Recommended Land Pattern (PC)	0.80mm to 1.10mm(Flow Soldering) 0.90mm to 1.20mm(Reflow Soldering)

Electrical Characteristics	
Capacitance	470pF ±5%
Rated Voltage	100VDC
Temperature Characteristic	C0G(0±30ppm/°C)
Q (Min.)	1000
Insulation Resistance (Min.)	10000MΩ

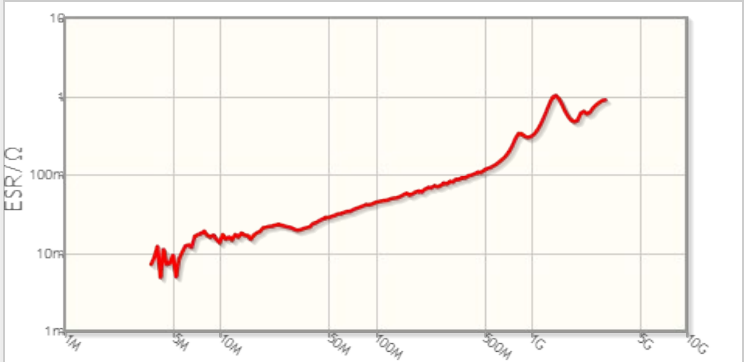
Other	
Soldering Method	Flow Reflow
AEC-Q200	Yes
Packing	Punched (Paper)Taping [180mm Reel]
Package Quantity	4000pcs

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

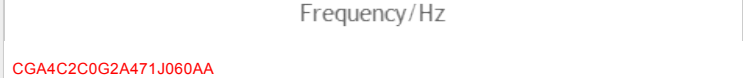
Impedance



ESR

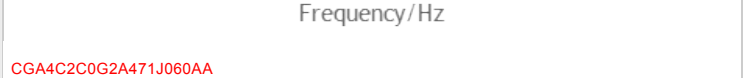


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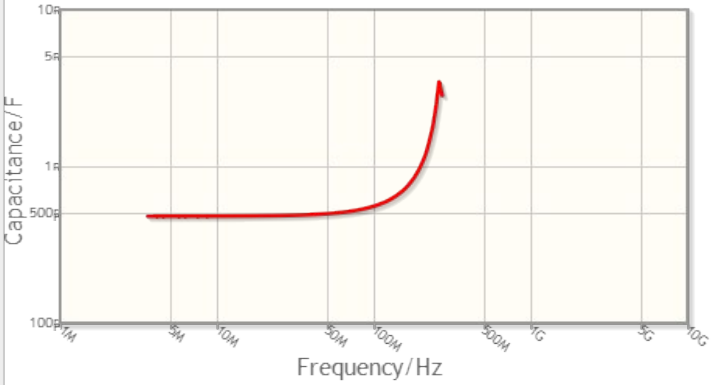
Change settings



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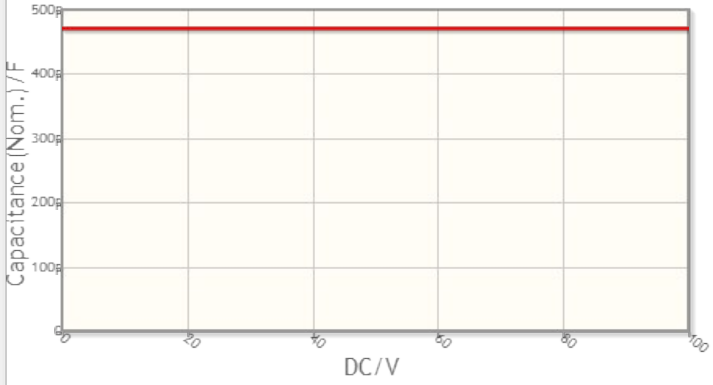
Capacitance



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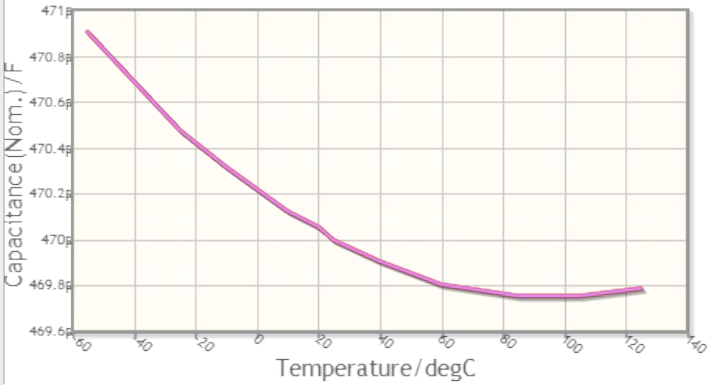
DC Bias Characteristic



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Change settings

Temperature Characteristic



CGA4C2C0G2A471J060AA(No Bias)

CGA4C2C0G2A471J060AA(DC Bias = 50V)

Change settings

Ripple Temperature Rising

no data available

Change settings

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