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TDK

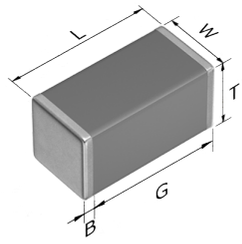
Creation Date : February 03, 2022 (GMT)

Multilayer Ceramic Chip Capacitors

C3216C0G2J272J160AA

RoHS Reach Halogen Free Pb Free

TDK item description	C3216C0G2J272JT****
Applications	Commercial Grade Please refer to Part No. CGA5L4C0G2J272J160AA for Automotive use.
Feature	Mid Voltage (100 to 630V)
Series	C3216 [EIA 1206]
Status	Production



Size	
Length(L)	3.20mm ±0.20mm
Width(W)	1.60mm ±0.20mm
Thickness(T)	1.60mm ±0.20mm
Terminal Width(B)	0.20mm Min.
Terminal Spacing(G)	1.00mm Min.
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	2.7nF ±5%
Rated Voltage	630VDC
Temperature Characteristic	C0G(0±30ppm/°C)
Q (Min.)	1000
Insulation Resistance (Min.)	10000MΩ

Other	
Soldering Method	Wave (Flow) Reflow
AEC-Q200	NO
Packing	Embossed (Plastic)Taping [180mm Reel]
Package Quantity	2000pcs

! Images are for reference only and show exemplary products.
! This PDF document was created based on the data listed on the TDK Corporation website.
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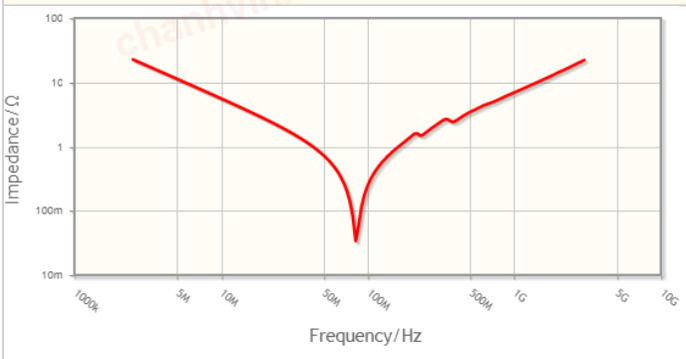
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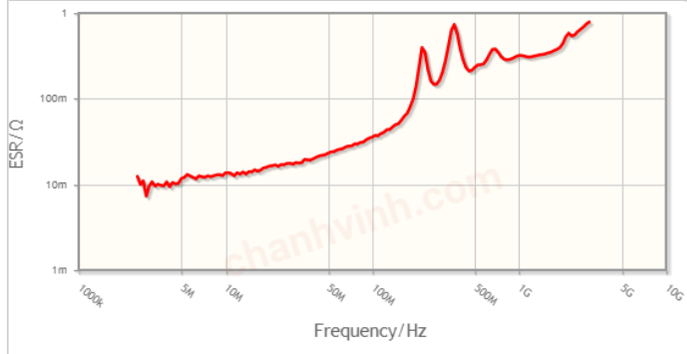
Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)

Impedance



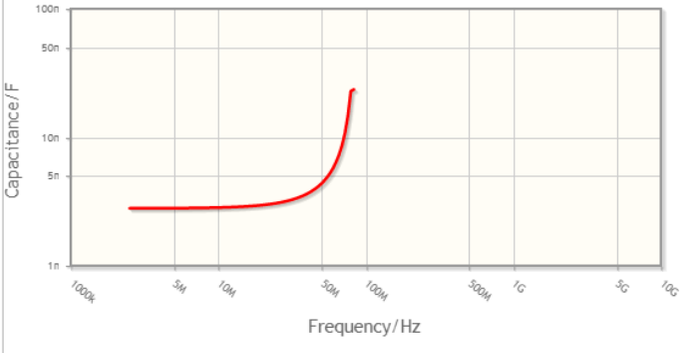
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ESR



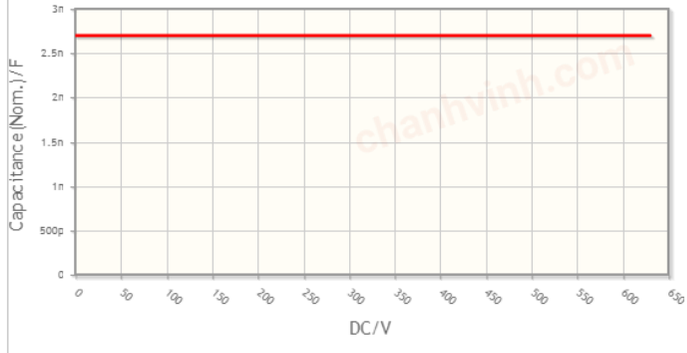
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Capacitance



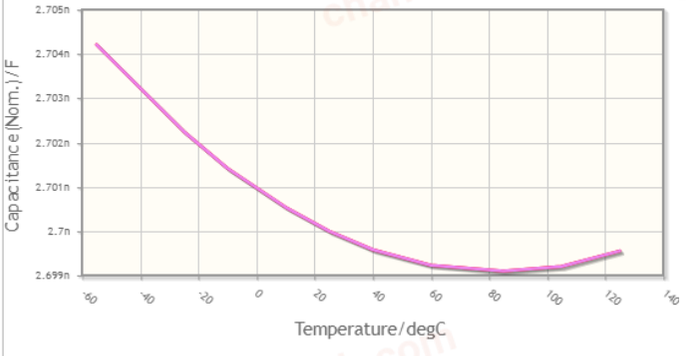
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DC Bias Characteristic



C3216C0G2J272J160AA

Temperature Characteristic



C3216C0G2J272J160AA(No Bias)

C3216C0G2J272J160AA(DC Bias = 315V)

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Associated Images

Land Pattern (Terminal Connection)



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