

Multilayer Ceramic Chip Capacitors

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Tech Notes

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FAQ

C3216C0G2A683J160AC



TDK item description ? C3216C0G2A683JT****

Applications



Commercial Grade

Please refer to Part No. [CGA5L1C0G2A683J160AC](#) for Automotive use.

Feature

Mid

Mid Voltage (100 to 630V)

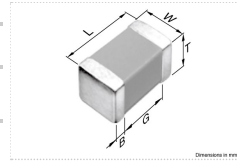
Series

C3216 [EIA 1206]

Status



Production



Images are for reference only and show exemplary products.

PDF file of this page

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Documents

Catalog

Specification

RoHS Certificate

SVHC/REACH Certificate

Characterization Sheet

Promotion Video

Sample Kits

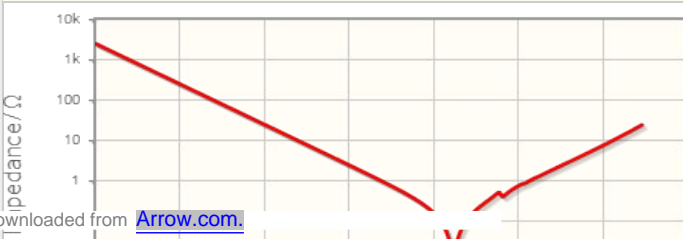
Size	
Length(L)	3.20mm ±0.20mm
Width(W)	1.60mm ±0.20mm
Thickness(T)	1.60mm ±0.20mm
Terminal Width(B)	0.20mm Min.
Terminal Spacing(G)	1.00mm Min.
Recommended Land Pattern (PA)	2.10mm to 2.50mm(Flow Soldering) 2.00mm to 2.40mm(Reflow Soldering)
Recommended Land Pattern (PB)	1.10mm to 1.30mm(Flow Soldering) 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	68nF ±5%
Rated Voltage	100VDC
Temperature Characteristic ?	C0G(0±30ppm/°C)
Q (Min.)	1000
Insulation Resistance (Min.)	7352MΩ

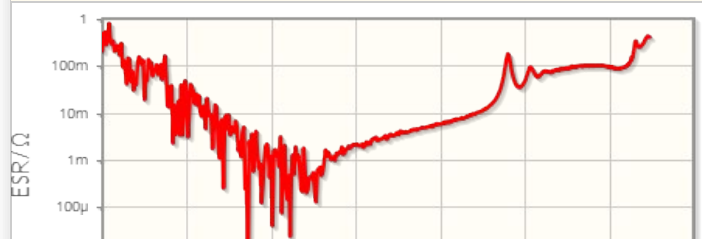
Other	
Soldering Method	Wave (Flow) Reflow
AEC-Q200	No
Packing	Blister (Plastic)Taping [180mm Reel]
Package Quantity	2000pcs

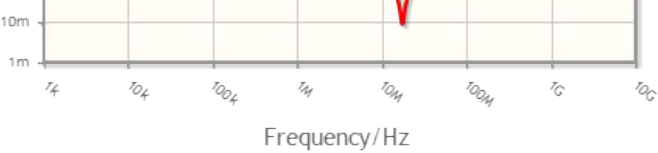
Characteristic Graph (This is reference data, and does not guarantee the products characteristics.)

Impedance



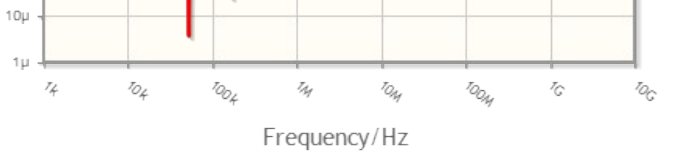
ESR





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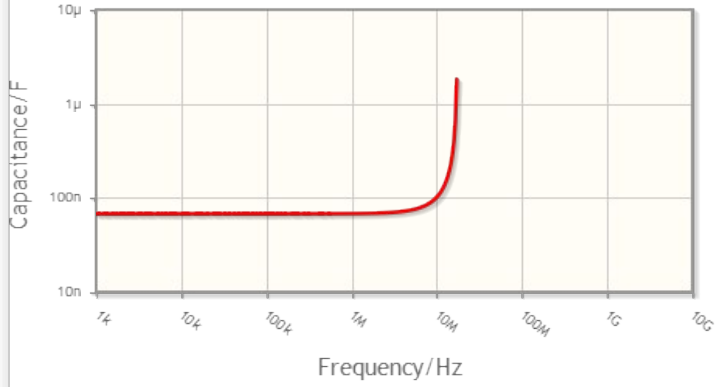
Change settings



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Change settings

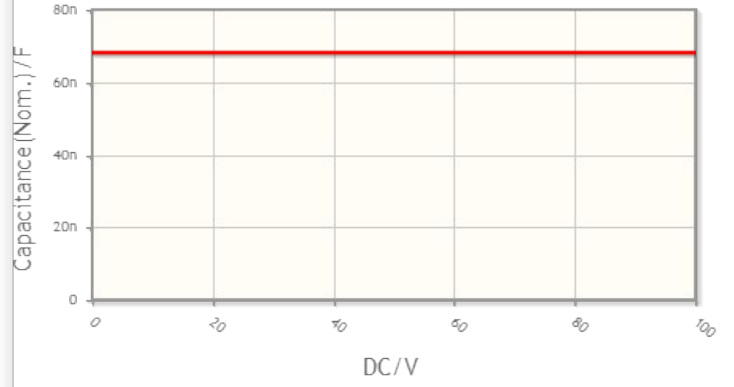
Capacitance



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Change settings

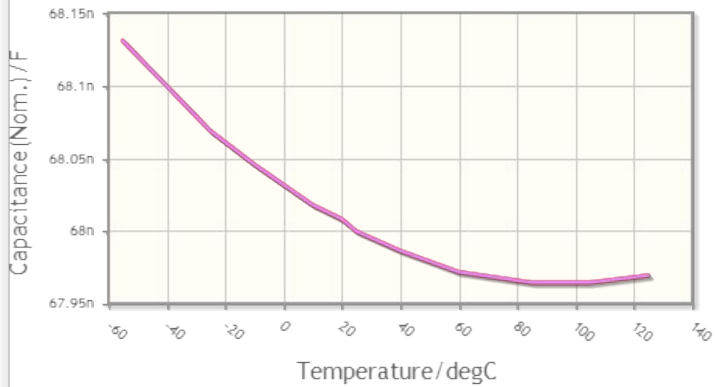
DC Bias Characteristic



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Change settings

Temperature Characteristic



C3216C0G2A683J160AC(No Bias) C3216C0G2A683J160AC(DC Bias = 50V)

Change settings

Ripple Temperature Rising

no data available

Change settings

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