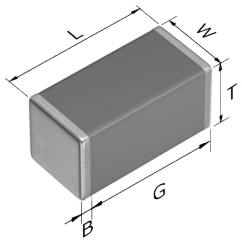
Multilayer Ceramic Chip Capacitors

C3216C0G2E682J160AA

Product Status	Production
TDK Item Description	C3216C0G2E682JT****
Applications	Commercial Grade Please refer to Part No. CGA5L3C0G2E682J160AA for Automotive use.
Feature	MidMid Voltage (100 to 630V)
Series	C3216 [EIA 1206]
Status	Production
Brand	TDK
Environmental Compliance	RoHS, REACH, Halogen Free, Lead Free



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	6.8nF ±5%
Rated Voltage	250VDC
Temperature Characteristic	C0G(0±30ppm/°C)
Q (Min.)	1000
Insulation Resistance (Min.)	10000MΩ
Allowable Voltage	
Allowable Current	

Other	
Operating Temp. Range	-55 to 125°C
Soldering Method	Wave (Flow) Reflow
AEC-Q200	NO

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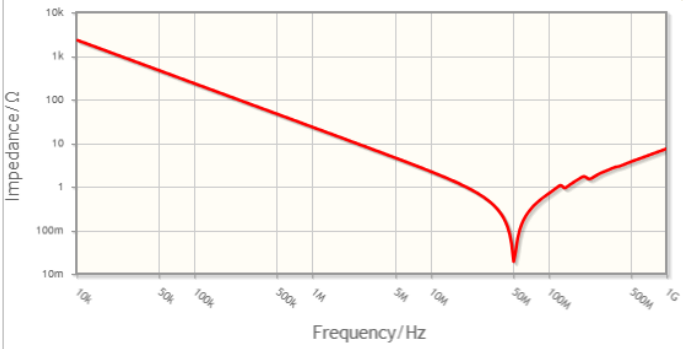
Packing	Embossed (Plastic)Taping [180mm Reel]
Package Quantity	2000pcs
FIT (Failure In Time)	This will be displayed when you login to myTDK

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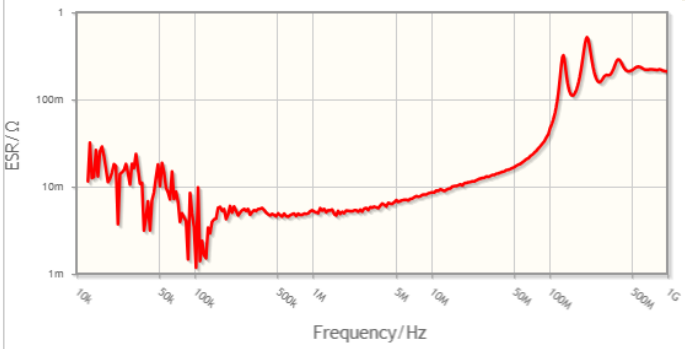
Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)

Impedance



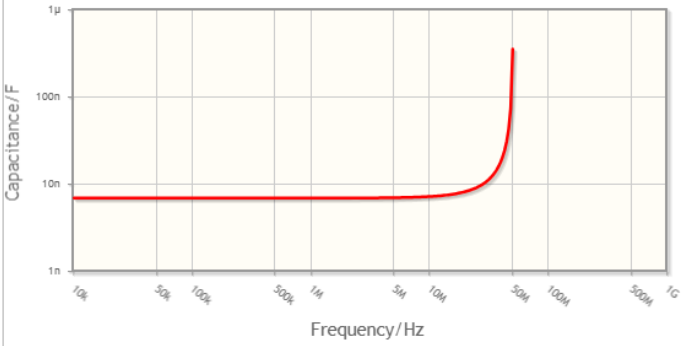
C3216C0G2E682J160AA

ESR



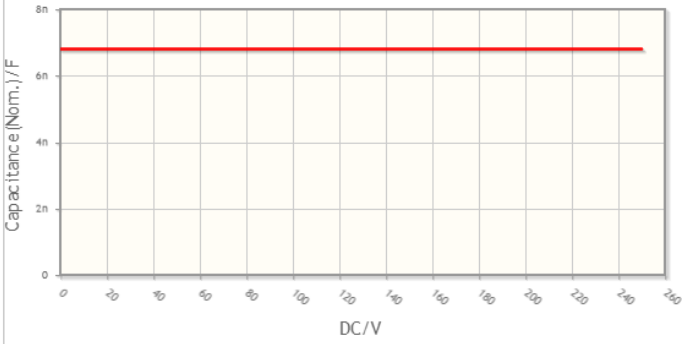
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Capacitance



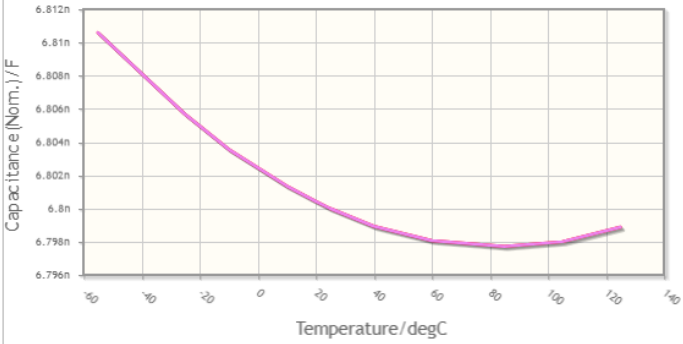
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DC Bias Characteristic



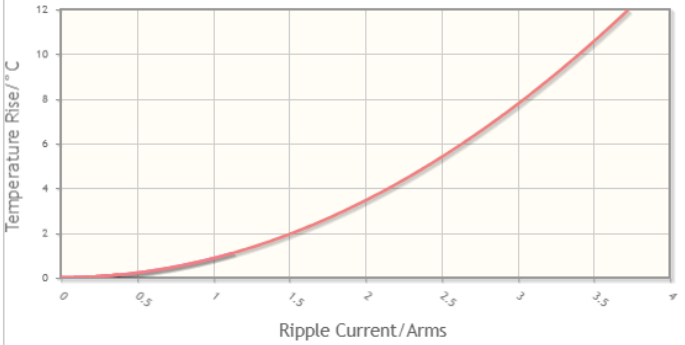
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Temperature Characteristic



C3216C0G2E682J160AA(No Bias) C3216C0G2E682J160AA(DC Bias = 125V)

Ripple Temperature Rising



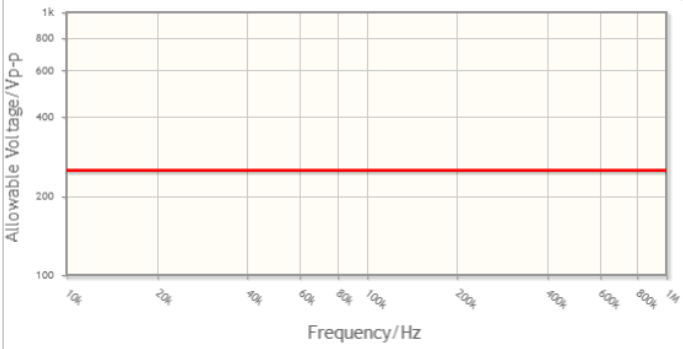
C3216C0G2E682J160AA(100kHz) C3216C0G2E682J160AA(300kHz) C3216C0G2E682J160AA(1000kHz)

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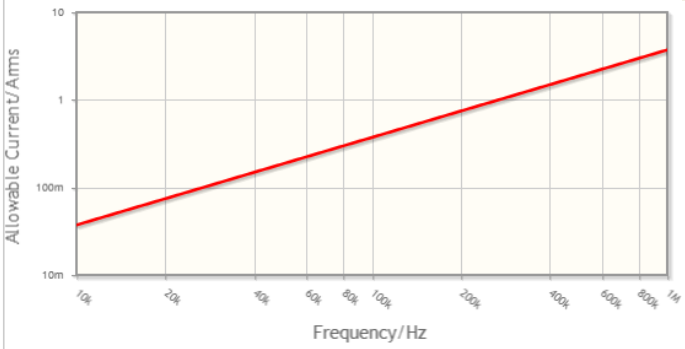
Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)

Max. Allowable Voltage



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Max. Allowable Current



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Associated Images

Land Pattern (Terminal Connection)



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