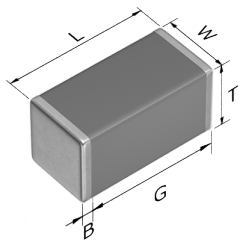
Multilayer Ceramic Chip Capacitors

C3216C0G2J152J115AA

Product Status	Production
TDK Item Description	C3216C0G2J152JT****
Applications	Commercial Grade Please refer to Part No. CGA5H4C0G2J152J115AA for Automotive use.
Feature	MidMid Voltage (100 to 630V)
Series	C3216 [EIA 1206]
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)	1.15mm ±0.15mm
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	1.5nF ±5%
Rated Voltage	630VDC
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
Packing	Embossed (Plastic)Taping [180mm Reel]
Package Quantity	2000pcs

! Images are for reference only and show exemplary products.
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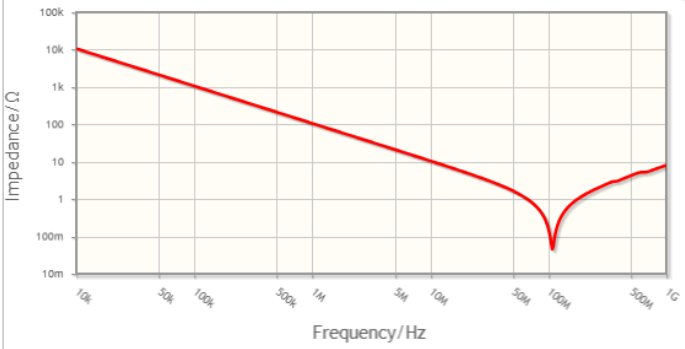
FIT (Failure In Time)	This will be displayed when you login to myTDK

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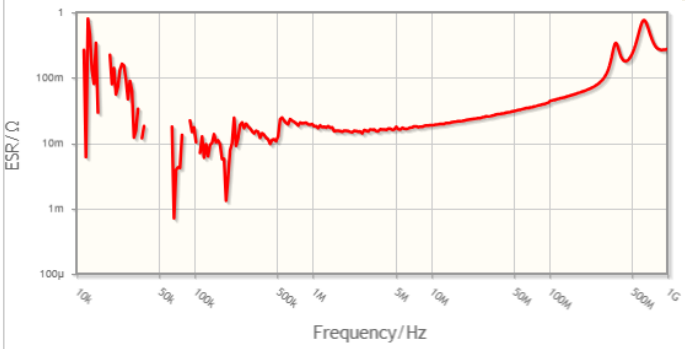
Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)

Impedance



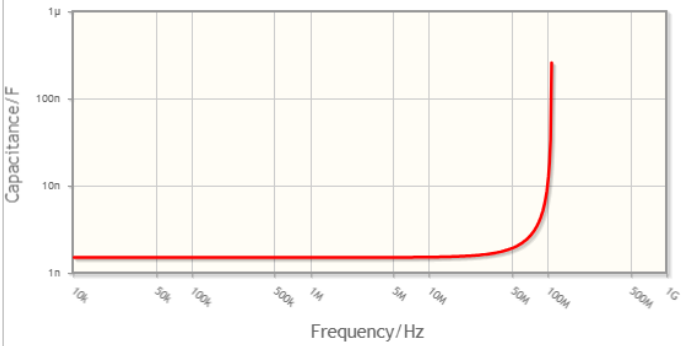
C3216C0G2J152J115AA

ESR



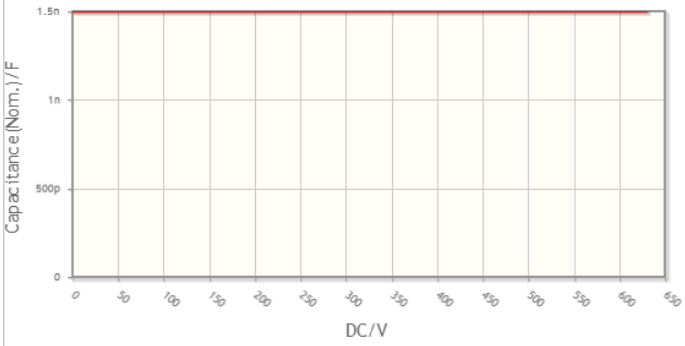
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Capacitance



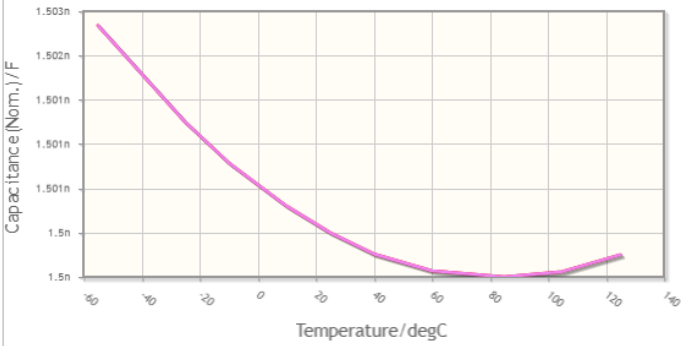
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DC Bias Characteristic



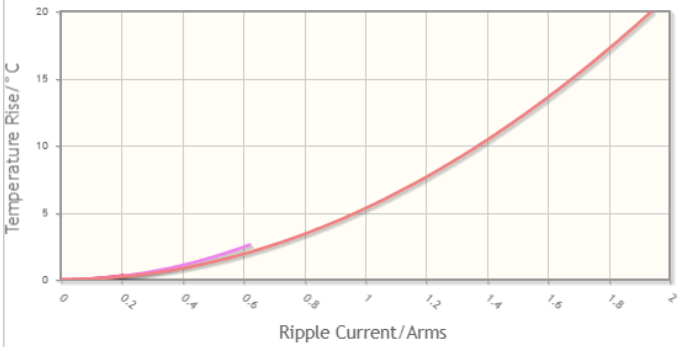
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Temperature Characteristic



C3216C0G2J152J115AA(No Bias) C3216C0G2J152J115AA(DC Bias = 315V)

Ripple Temperature Rising



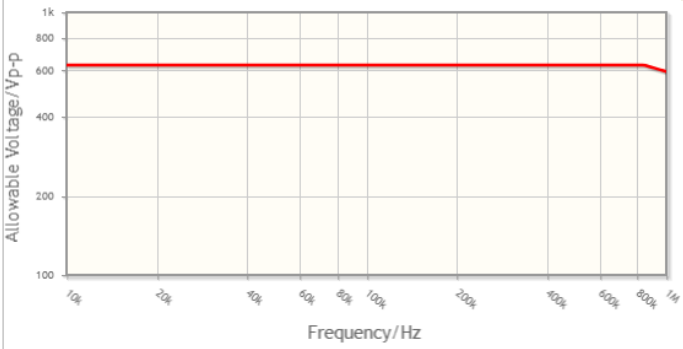
C3216C0G2J152J115AA(100kHz) C3216C0G2J152J115AA(300kHz) C3216C0G2J152J115AA(1000kHz)

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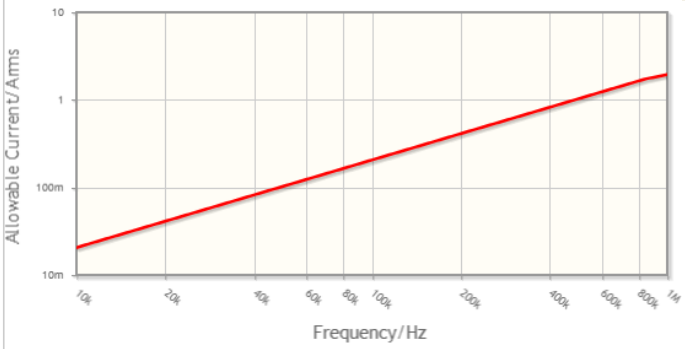
Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)

Max. Allowable Voltage



C3216C0G2J152J115AA

Max. Allowable Current



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Associated Images

Land Pattern (Terminal Connection)



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