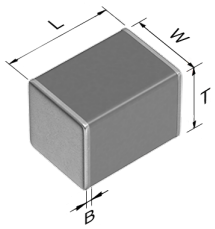
Multilayer Ceramic Chip Capacitors

CGA8P4C0G2J153J250KA

Product Status	Production
TDK Item Description	CGA8P4C0G2J153JT****
Applications	Automotive Grade
Feature	AEC-Q200AEC-Q200 MidMid Voltage (100 to 630V)
Series	CGA8(4532) [EIA 1812]
Brand	TDK
Environmental Compliance	RoHS, REACH, Halogen Free, Lead Free



Size	
Length(L)	4.50mm ±0.40mm
Width(W)	3.20mm ±0.40mm
Thickness(T)	2.50mm ±0.30mm
Terminal Width(B)	0.20mm Min.
Recommended Land Pattern (PA)	3.10mm to 3.70mm
Recommended Land Pattern (PB)	1.20mm to 1.40mm
Recommended Land Pattern (PC)	2.40mm to 3.20mm

Electrical Characteristics	
Capacitance	15nF ±5%
Rated Voltage	630VDC
Temperature Characteristic	C0G(0±30ppm/°C)
Q (Min.)	1000
Insulation Resistance (Min.)	10000MΩ
Allowable Voltage	
Allowable Current	

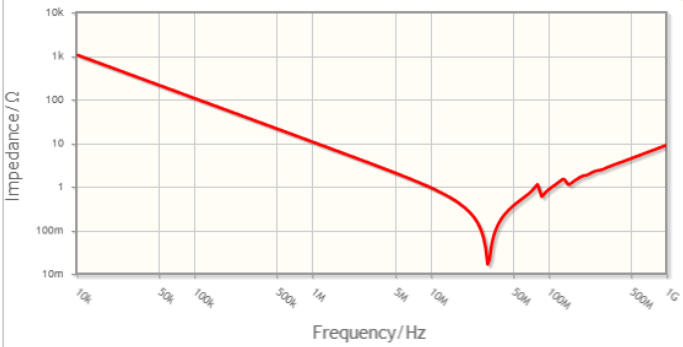
Other	
Operating Temp. Range	-55 to 125°C
Soldering Method	Reflow
AEC-Q200	YES
Packing	Embossed (Plastic)Taping [180mm Reel]
Package Quantity	500pcs
FIT (Failure In Time)	This will be displayed when you login to myTDK

! Images are for reference only and show exemplary products.
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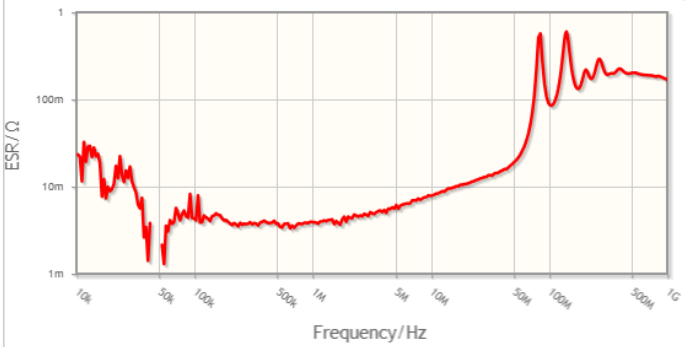
Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)

Impedance



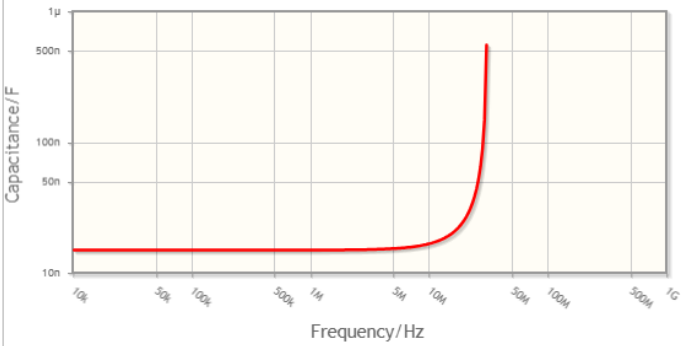
CGA8P4C0G2J153J250KA

ESR



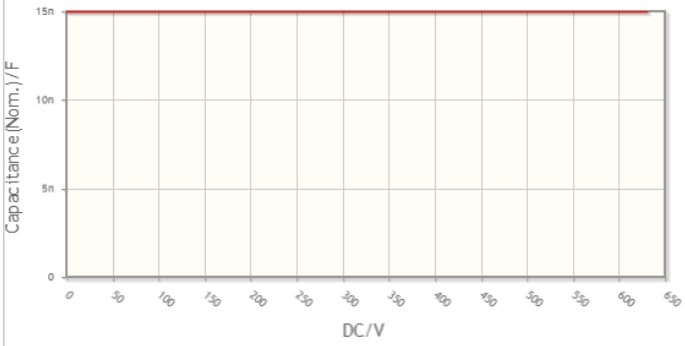
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Capacitance



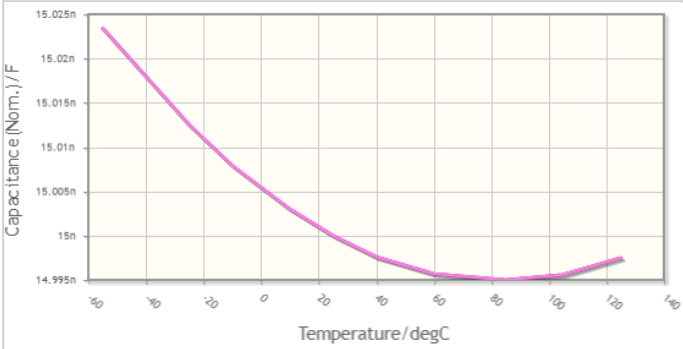
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DC Bias Characteristic



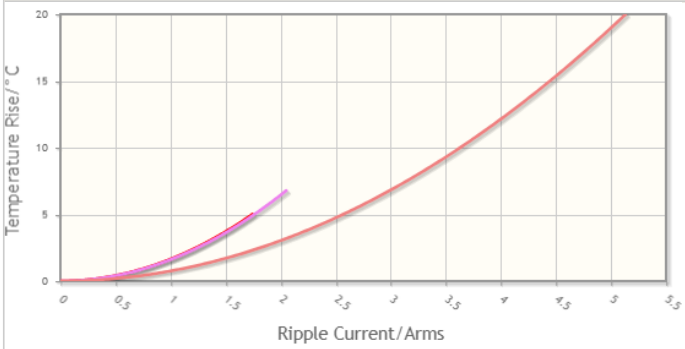
CGA8P4C0G2J153J250KA

Temperature Characteristic



CGA8P4C0G2J153J250KA(No Bias) CGA8P4C0G2J153J250KA(DC Bias = 315V)

Ripple Temperature Rising



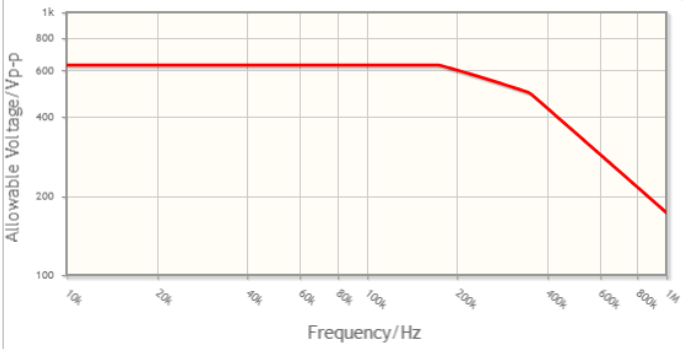
CGA8P4C0G2J153J250KA(85kHz) CGA8P4C0G2J153J250KA(100kHz) CGA8P4C0G2J153J250KA(300kHz)

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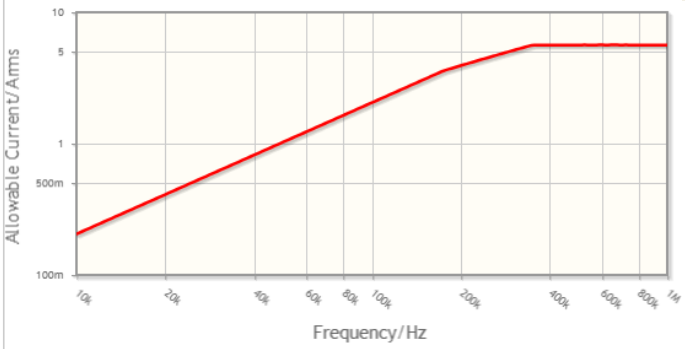
Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)

Max. Allowable Voltage



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Max. Allowable Current



CGA8P4C0G2J153J250KA

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Associated Images

Land Pattern (Terminal Connection)



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