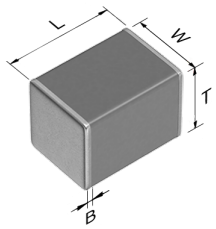
Multilayer Ceramic Chip Capacitors

C4532C0G2E223J160KA

Product Status	Production
TDK Item Description	C4532C0G2E223JT****
Applications	Commercial Grade Please refer to Part No. CGA8L3C0G2E223J160KA for Automotive use.
Feature	MidMid Voltage (100 to 630V)
Series	C4532 [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)	1.60mm ±0.20mm
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	22nF ±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	Reflow
AEC-Q200	NO
Packing	Embossed (Plastic)Taping [180mm Reel]
Package Quantity	1000pcs
FIT (Failure In Time)	This will be displayed when you login to myTDK

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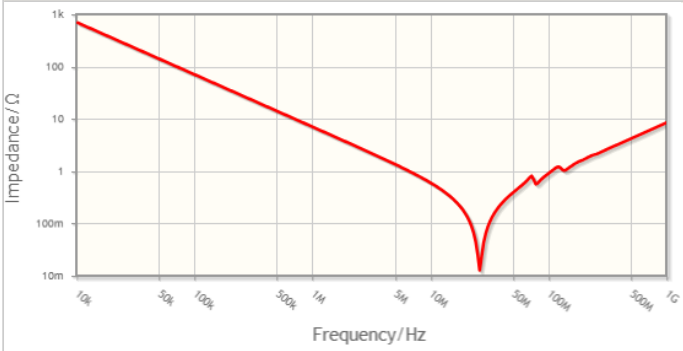
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Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)

Impedance



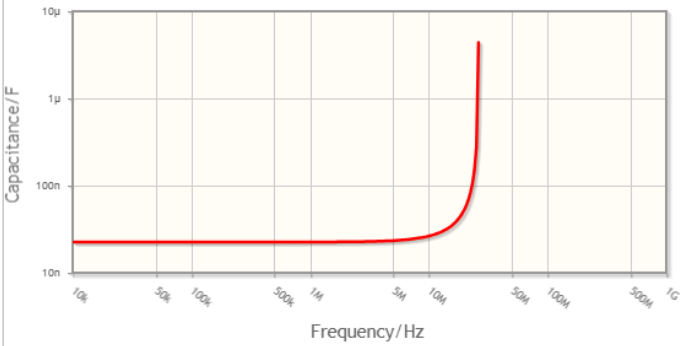
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ESR



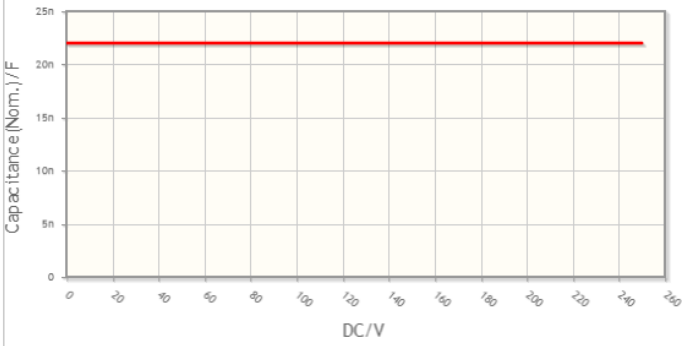
C4532C0G2E223J160KA

Capacitance



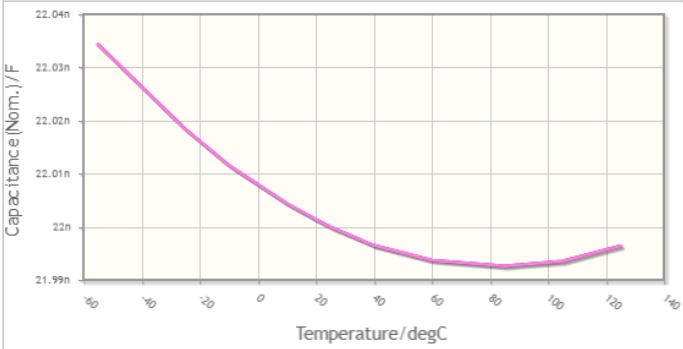
C4532C0G2E223J160KA

DC Bias Characteristic



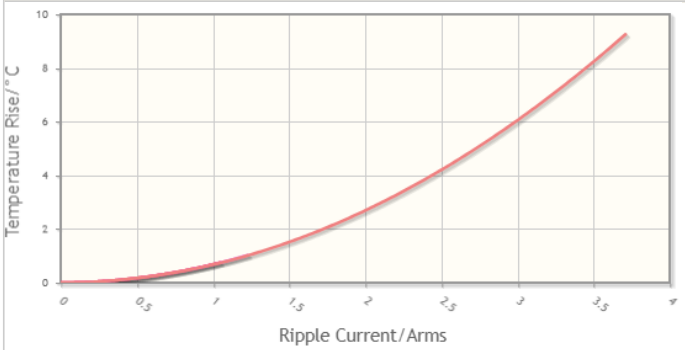
C4532C0G2E223J160KA

Temperature Characteristic



C4532C0G2E223J160KA(No Bias) C4532C0G2E223J160KA(DC Bias = 125V)

Ripple Temperature Rising



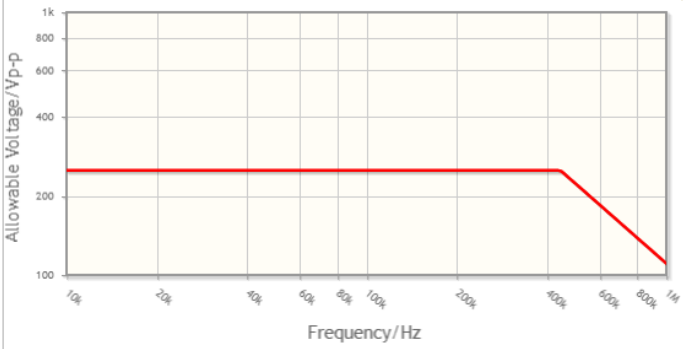
C4532C0G2E223J160KA(85kHz) C4532C0G2E223J160KA(100kHz) C4532C0G2E223J160KA(300kHz)

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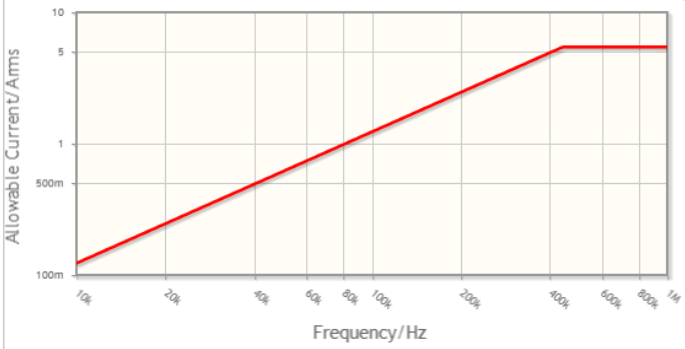
Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)

Max. Allowable Voltage



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Max. Allowable Current



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Associated Images

Land Pattern (Terminal Connection)



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