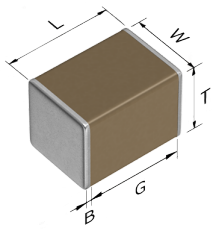
Multilayer Ceramic Chip Capacitors

C4532X7R3D222K130KA

Product Status	Production
TDK Item Description	C4532X7R3D222KT****
Applications	Commercial Grade Please refer to Part No. CGA8K1X7R3D222K130KA for Automotive use.
Feature	HighHigh Voltage (1000V and over)
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)	1.30mm ±0.20mm
Terminal Width(B)	0.20mm Min.
Terminal Spacing(G)	
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
Recommended Slit Pattern (SD)	1.00mm to 1.30mm

Electrical Characteristics	
Capacitance	2.2nF ±10%
Rated Voltage	2kVDC
Temperature Characteristic	X7R(±15%)
Dissipation Factor (Max.)	3%
Insulation Resistance (Min.)	10000MΩ

Other	
Operating Temp. Range	-55 to 125°C
Soldering Method	Reflow
AEC-Q200	NO
Packing	Embossed (Plastic)Taping [180mm Reel]
Package Quantity	1000pcs

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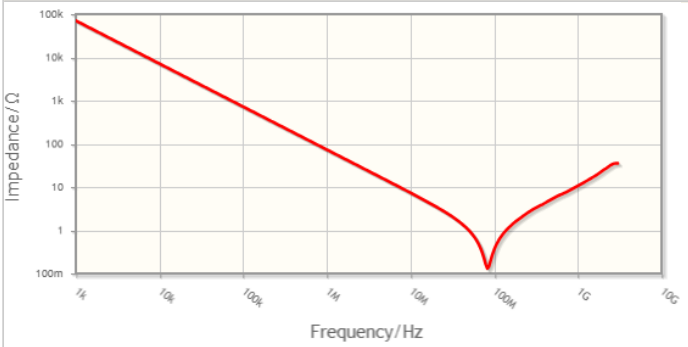
Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)

Impedance



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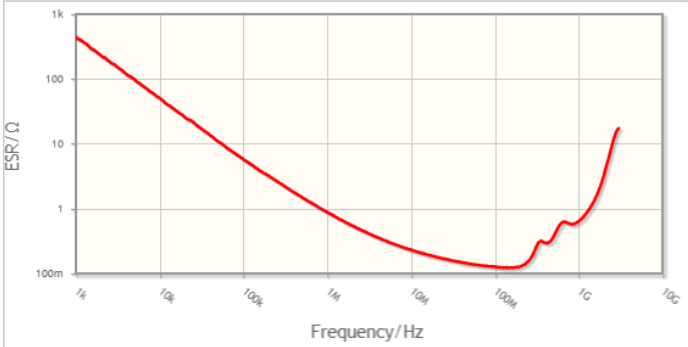
ESR



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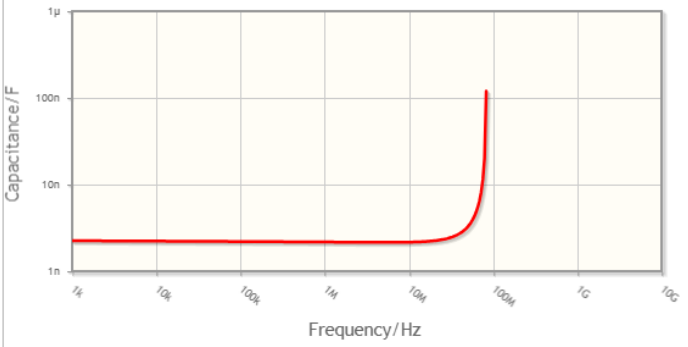
Capacitance



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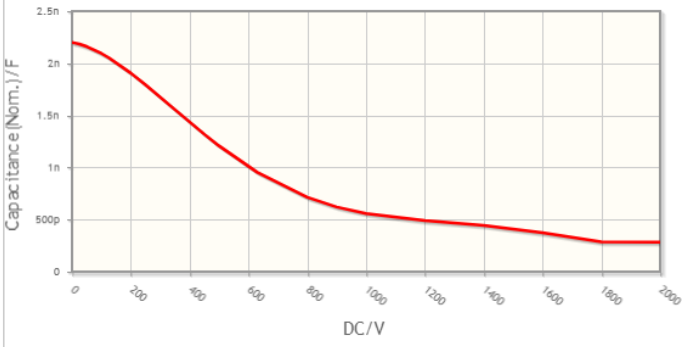
DC Bias Characteristic



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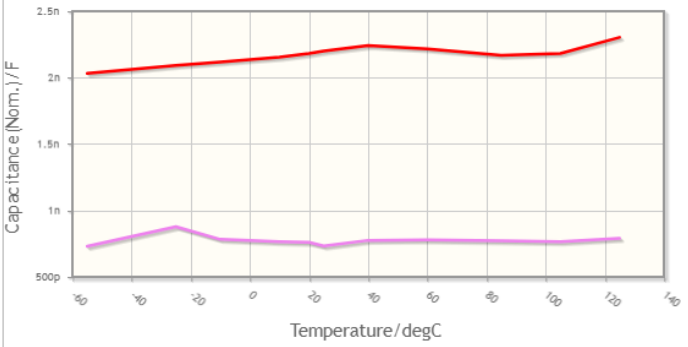
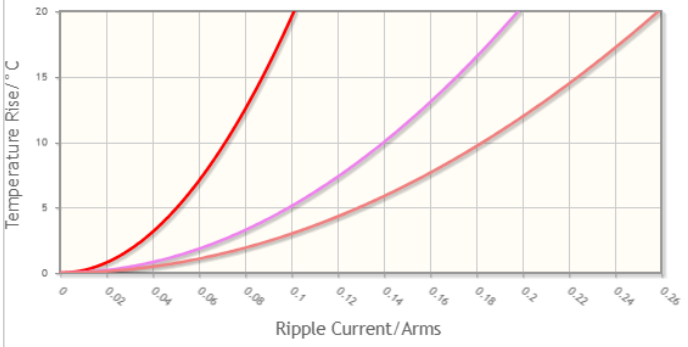
Temperature Characteristic



C4532X7R3D222K130KA(No Bias) C4532X7R3D222K130KA(DC Bias = 1000V)

Ripple Temperature Rising



C4532X7R3D222K130KA(100kHz) C4532X7R3D222K130KA(500kHz) C4532X7R3D222K130KA(1MHz)

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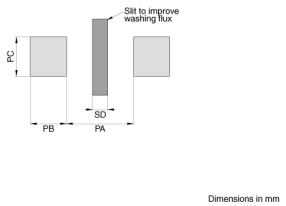
Associated Images

Land Pattern (Terminal Connection)



Dimensions in mm

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