

C2012X5R1C106M125AC (TDK item description : C2012X5R1C106MT****)

Applications



Commercial Grade



Please refer to Part No. CGA4J1X5R1C106M125AC for automotive use.

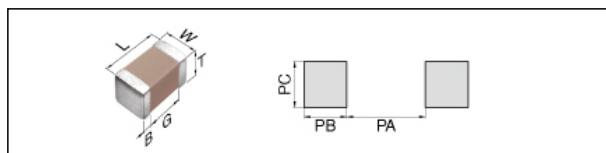
Feature

General

General (Up to 50V)

Series

C2012 [EIA CC0805]



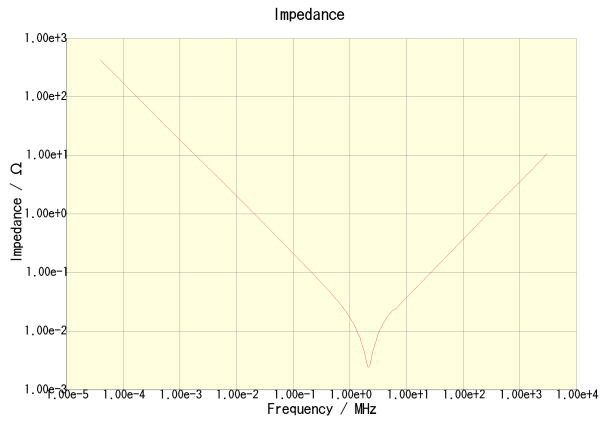
Size	
Length(L)	2.00mm +/-0.20mm
Width(W)	1.25mm +/-0.20mm
Thickness(T)	1.25mm +/-0.20mm
Terminal Width(B)	0.20mm Min.
Terminal Spacing(G)	0.50mm Min.
Recommended Land Pattern(PA)	1.00 to 1.30mm (Flow Soldering) 0.90 to 1.20mm (Reflow Soldering)
Recommended Land Pattern(PB)	1.00 to 1.20mm (Flow Soldering) 0.70 to 0.90mm (Reflow Soldering)
Recommended Land Pattern(PC)	0.80 to 1.10mm (Flow Soldering) 0.90 to 1.20mm (Reflow Soldering)
Recommended Slit Pattern(SD)	

Electrical Characteristics	
Capacitance	10uF +/-20%
Rated Voltage	16Vdc
Temperature Characteristic	X5R(+/-15%)
Dissipation Factor	10% Max.
Insulation Resistance	10MΩ Min.

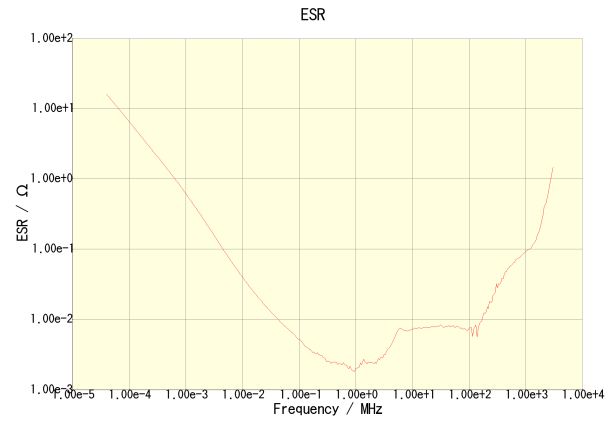
Other	
Soldering Method	Reflow, Flow
AEC Q200	No
Packing	Blister (Plastic)Taping [180mm Reel]
Package Quantity	2000Pcs Min.

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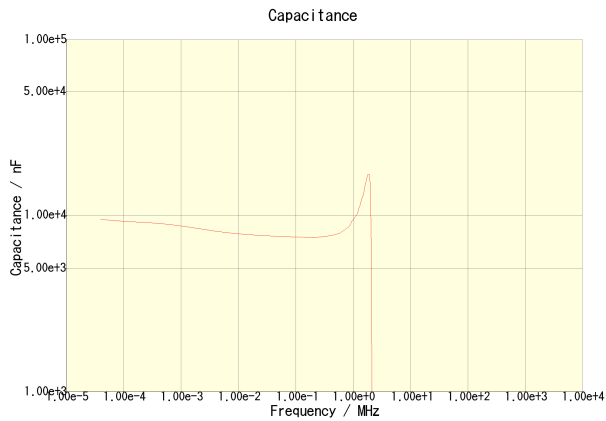
Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)



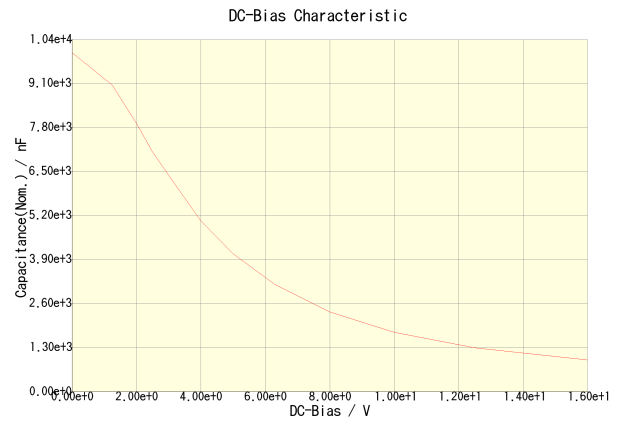
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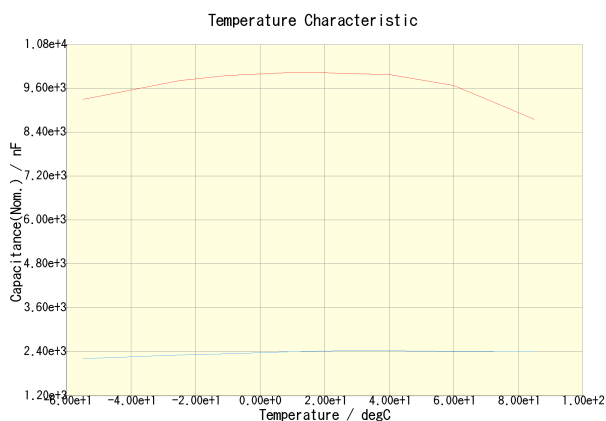
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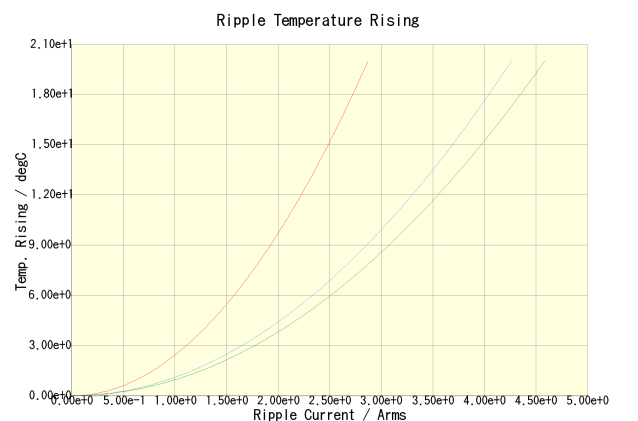
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C2012X5R1C106M125AC(DC Bias = 0V) C2012X5R1C106M125AC(DC Bias = 8V)



C2012X5R1C106M125AC(100kHz) C2012X5R1C106M125AC(500kHz)
C2012X5R1C106M125AC(1MHz)