

C2012X8R1H104K125AA (TDK item description : C2012X8R1H104KT****)

Applications



Commercial Grade



Please refer to Part No. CGA4J2X8R1H104K125AA for automotive use.

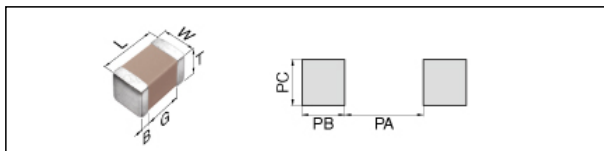
Feature

150°C

High Temperature Application

Series

C2012 [EIA CC0805]



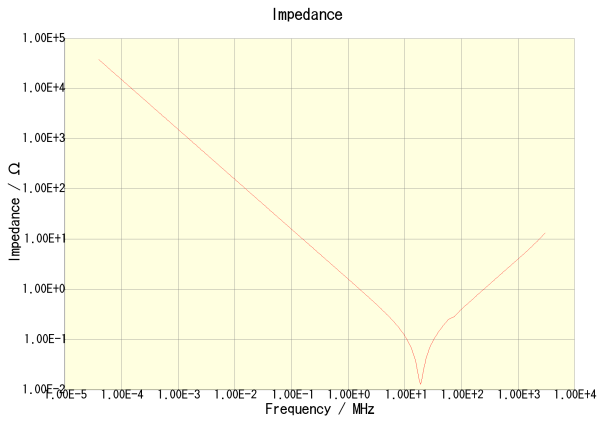
Size	
Length(L)	2.00mm +/-0.20mm
Width(W)	1.25mm +/-0.20mm
Thickness(T)	1.25mm +/-0.20mm
Terminal Width(B)	0.20mm Min.
Terminal Spacing(G)	0.50mm Min.
Recommended Land Pattern(PA)	1.00 to 1.30mm (Flow Soldering) 0.90 to 1.20mm (Reflow Soldering)
Recommended Land Pattern(PB)	1.00 to 1.20mm (Flow Soldering) 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	100nF +/-10%
Rated Voltage	50Vdc
Temperature Characteristic	X8R(+/-15%)
Dissipation Factor	3% Max.
Insulation Resistance	5000MΩ Min.

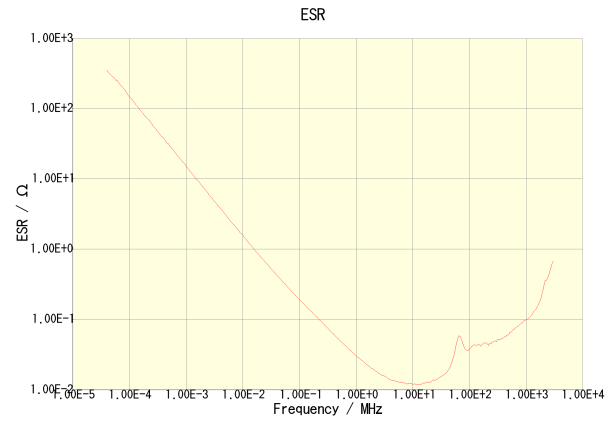
Other	
Soldering Method	Reflow, Flow
AEC Q200	No
Packing	Blister (Plastic)Taping [180mm Reel]
Package Quantity	2000Pcs Min.

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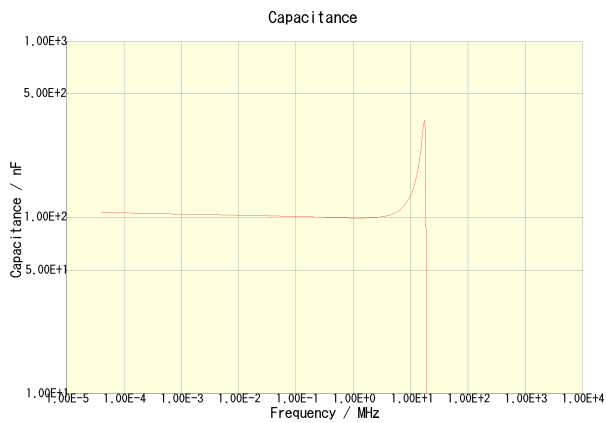
Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)



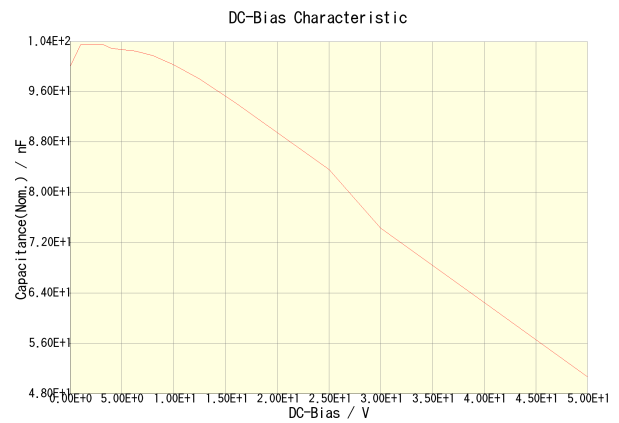
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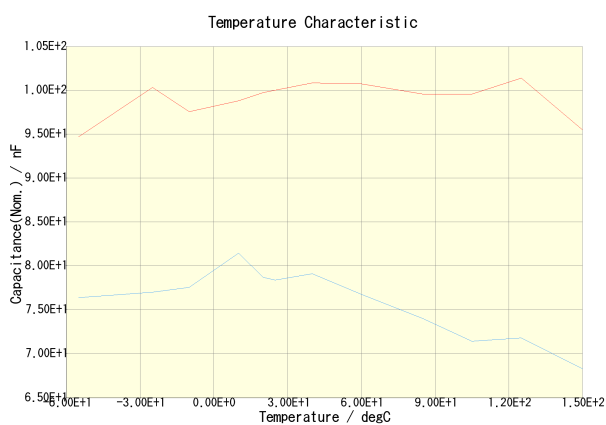
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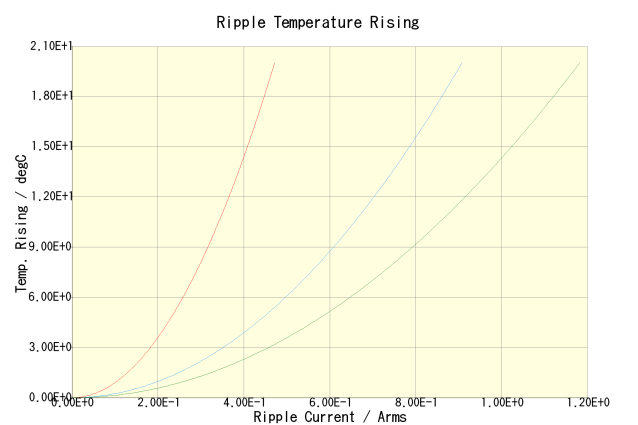
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C2012X8R1H104K125AA(DC Bias = 0V) C2012X8R1H104K125AA(DC Bias = 25V)



C2012X8R1H104K125AA(100kHz) C2012X8R1H104K125AA(500kHz)
C2012X8R1H104K125AA(1MHz)