

C2012X7R2E103K125AA (TDK item description : C2012X7R2E103KT****)

Applications



Commercial Grade



Please refer to Part No. CGA4J3X7R2E103K125AA for automotive use.

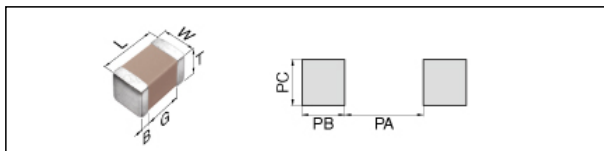
Feature

Mid

Mid Voltage (100 to 630V)

Series

C2012 [EIA CC0805]



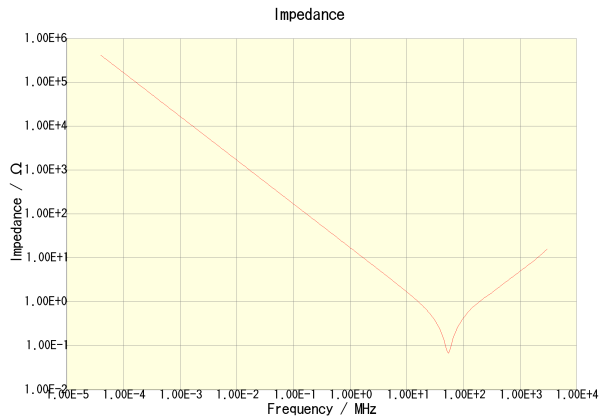
Size	
Length(L)	2.00mm +/-0.20mm
Width(W)	1.25mm +/-0.20mm
Thickness(T)	1.25mm +/-0.20mm
Terminal Width(B)	0.20mm Min.
Terminal Spacing(G)	0.50mm Min.
Recommended Land Pattern(PA)	1.00 to 1.30mm (Flow Soldering) 0.90 to 1.20mm (Reflow Soldering)
Recommended Land Pattern(PB)	1.00 to 1.20mm (Flow Soldering) 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	10nF +/-10%
Rated Voltage	250Vdc
Temperature Characteristic	X7R(+/-15%)
Dissipation Factor	3% Max.
Insulation Resistance	10000MΩ Min.

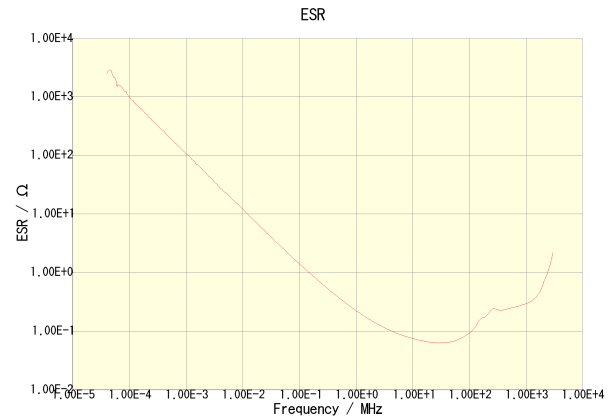
Other	
Soldering Method	Reflow, Flow
AEC Q200	No
Packing	Blister (Plastic)Taping [180mm Reel]
Package Quantity	2000Pcs Min.

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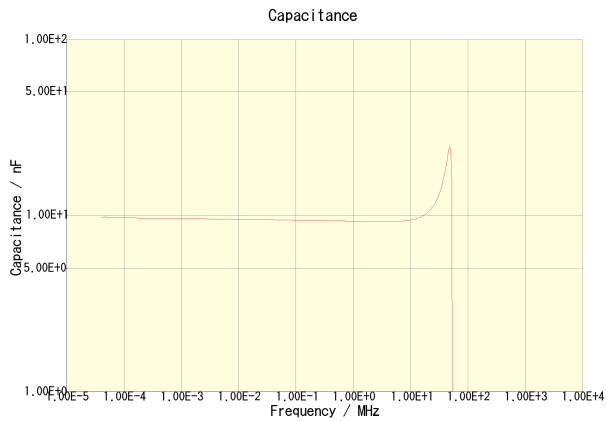
Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)



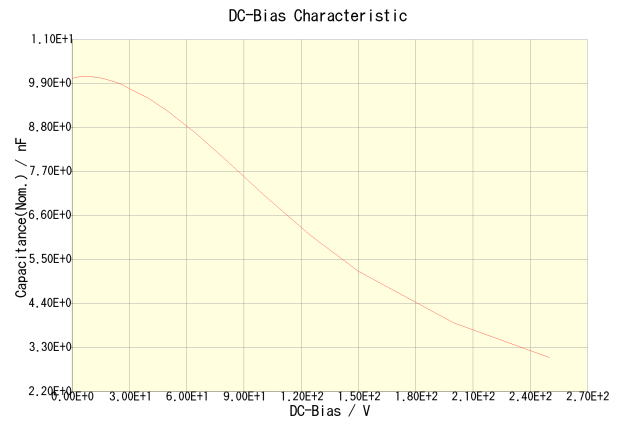
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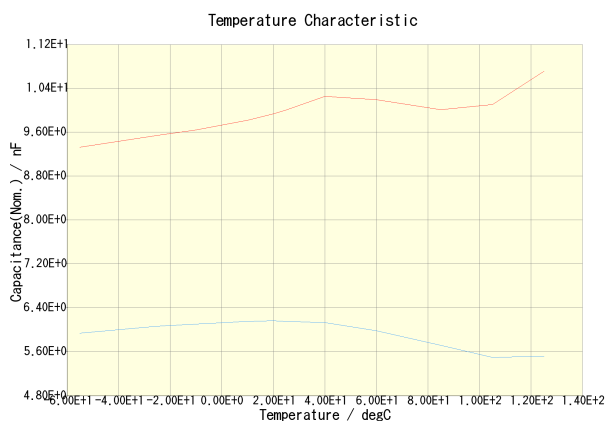
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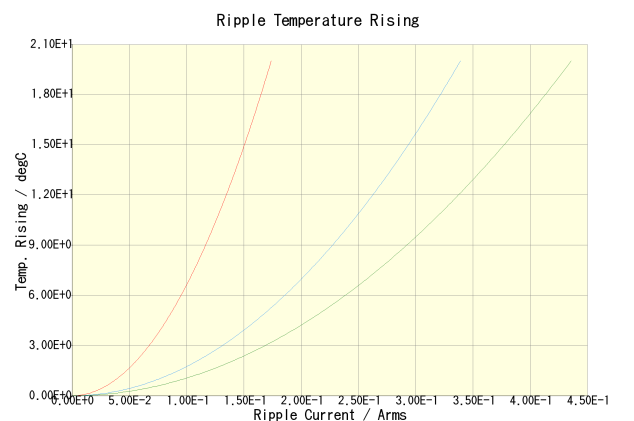
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C2012X7R2E103K125AA



C2012X7R2E103K125AA(DC Bias = 0V) C2012X7R2E103K125AA(DC Bias = 125V)



C2012X7R2E103K125AA(100kHz) C2012X7R2E103K125AA(500kHz)
C2012X7R2E103K125AA(1MHz)