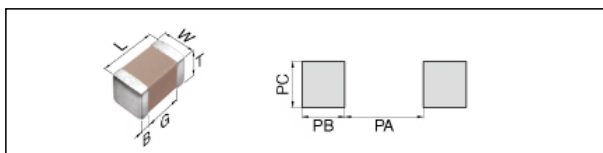


C2012X5R1C105K085AA (TDK item description : C2012X5R1C105KT****)

Applications	 Commercial Grade
	 Please refer to Part No. CGA4J2X5R1C105K125AA for automotive use.
Feature	General General (Up to 50V)
Series	C2012 [EIA CC0805]



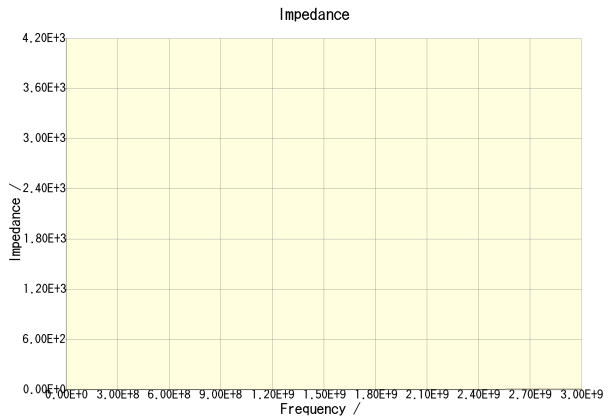
Size	
Length(L)	2.00mm +/-0.20mm
Width(W)	1.25mm +/-0.20mm
Thickness(T)	0.85mm +/-0.15mm
Terminal Width(B)	0.20mm Min.
Terminal Spacing(G)	0.50mm Min.
Recommended Land Pattern(PA)	1.00 to 1.30mm (Flow Soldering) 0.90 to 1.20mm (Reflow Soldering)
Recommended Land Pattern(PB)	1.00 to 1.20mm (Flow Soldering) 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	1uF +/-10%
Rated Voltage	16Vdc
Temperature Characteristic	X5R(+/-15%)
Dissipation Factor	5% Max.
Insulation Resistance	100MΩ Min.

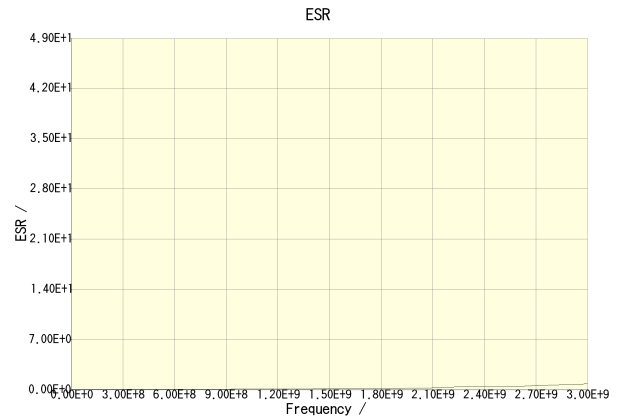
Other	
Soldering Method	Reflow, Flow
AEC Q200	No
Packing	Punched (Paper)Taping [180mm Reel]
Package Quantity	4000Pcs Min.

C2012X5R1C105K085AA

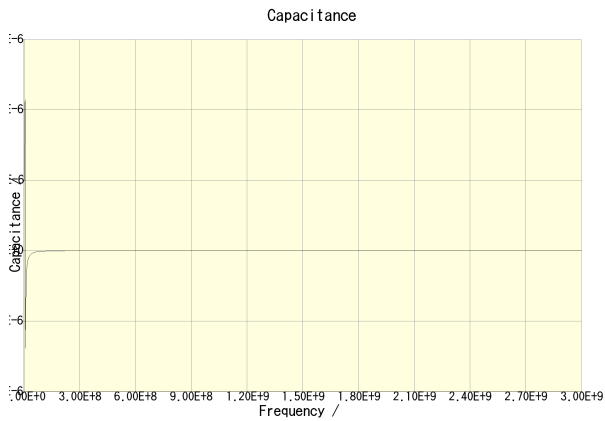
Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)



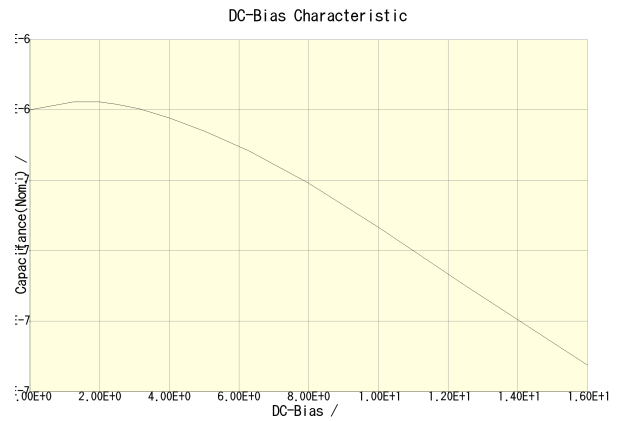
C2012X5R1C105K085AA



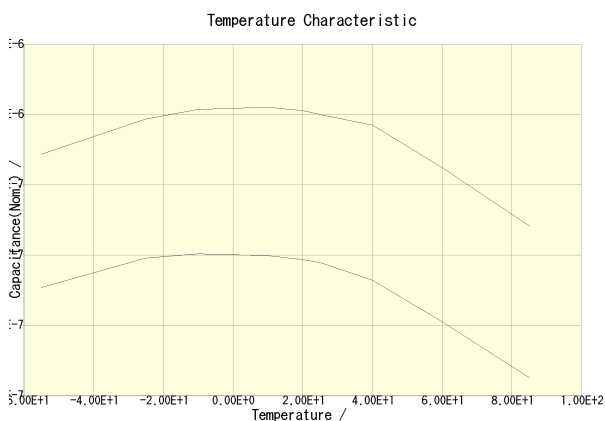
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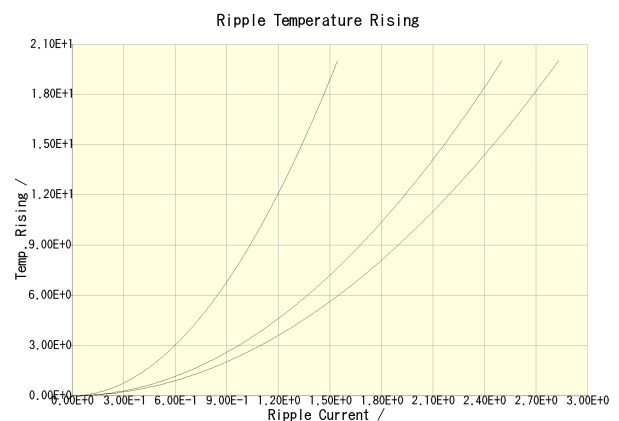
C2012X5R1C105K085AA



C2012X5R1C105K085AA



C2012X5R1C105K085AA(DC Bias = 0V) C2012X5R1C105K085AA(DC Bias = 8V)



C2012X5R1C105K085AA(100kHz) C2012X5R1C105K085AA(500kHz)
C2012X5R1C105K085AA(1MHz)