

# C2012X5R1A225K085AA (TDK item description : C2012X5R1A225KT\*\*\*\*)

Applications



Commercial Grade



Please refer to Part No. CGA4J2X5R1A225K125AA for automotive use.

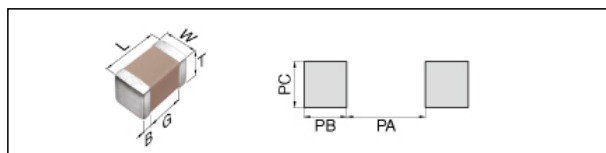
Feature

**General**

General (Up to 50V)

Series

C2012 [EIA CC0805]



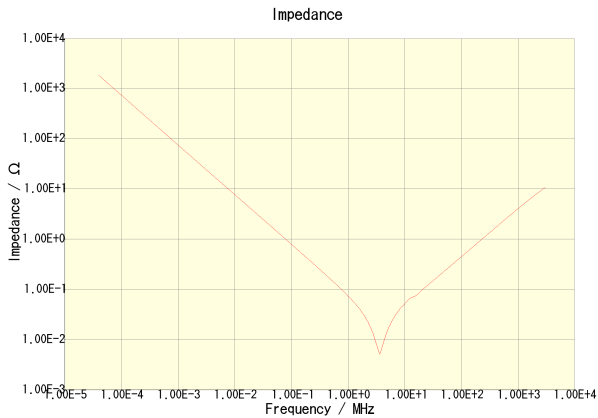
Size	
Length(L)	2.00mm +/-0.20mm
Width(W)	1.25mm +/-0.20mm
Thickness(T)	0.85mm +/-0.15mm
Terminal Width(B)	0.20mm Min.
Terminal Spacing(G)	0.50mm Min.
Recommended Land Pattern(PA)	1.00 to 1.30mm (Flow Soldering) 0.90 to 1.20mm (Reflow Soldering)
Recommended Land Pattern(PB)	1.00 to 1.20mm (Flow Soldering) 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	2.2uF +/-10%
Rated Voltage	10Vdc
Temperature Characteristic	X5R(+/-15%)
Dissipation Factor	5% Max.
Insulation Resistance	45MΩ Min.

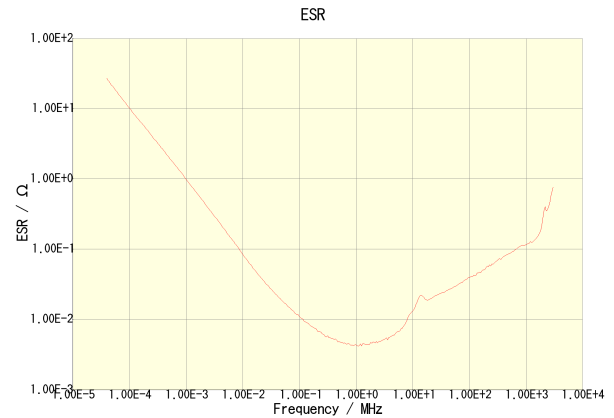
Other	
Soldering Method	Reflow, Flow
AEC Q200	No
Packing	Punched (Paper)Taping [180mm Reel]
Package Quantity	4000Pcs Min.

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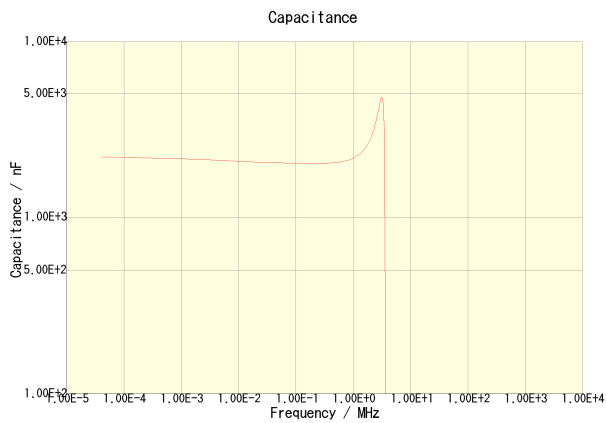
## Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)



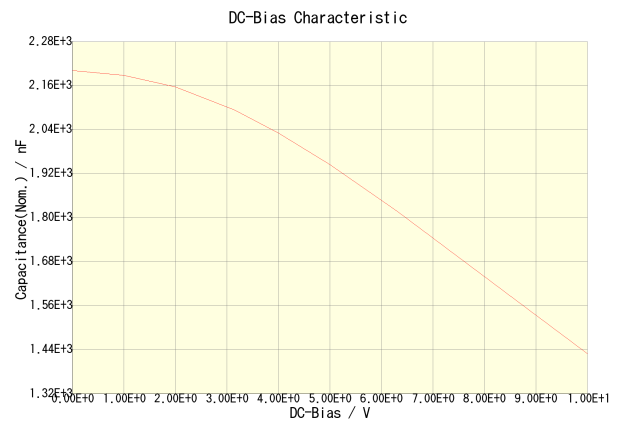
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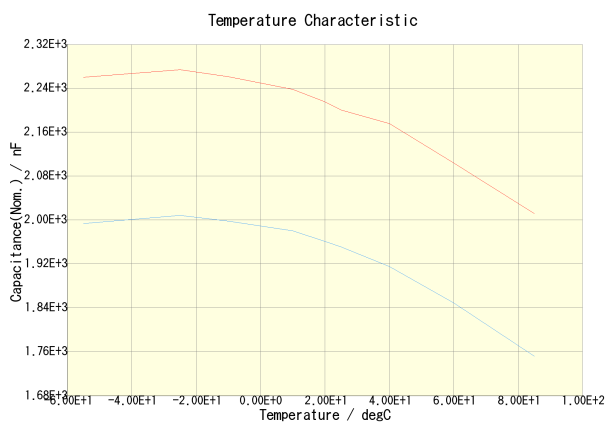
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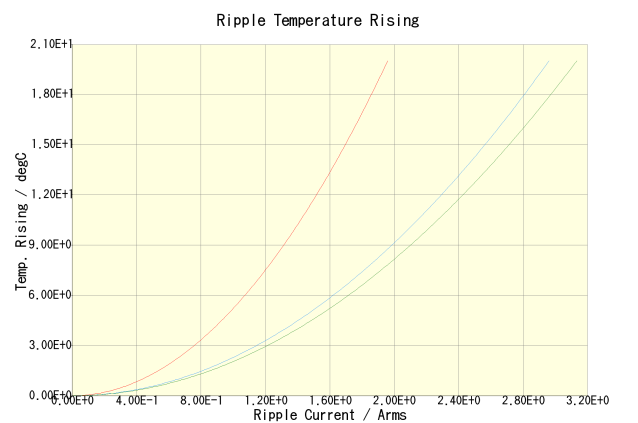
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C2012X5R1A225K085AA



C2012X5R1A225K085AA(DC Bias = 0V) C2012X5R1A225K085AA(DC Bias = 5V)



C2012X5R1A225K085AA(100kHz) C2012X5R1A225K085AA(500kHz)  
C2012X5R1A225K085AA(1MHz)