

C3216X7R2A105M160AA (TDK item description : C3216X7R2A105MT****)

Applications



Commercial Grade



Please refer to Part No. CGA5L2X7R2A105M160AA for automotive use.

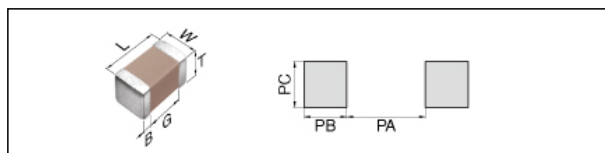
Feature

Mid

Mid Voltage (100 to 630V)

Series

C3216 [EIA CC1206]



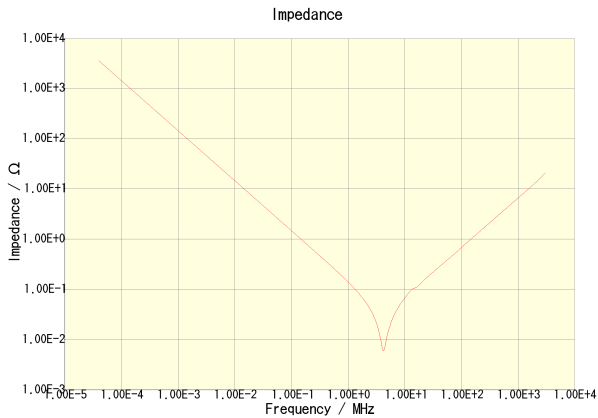
Size	
Length(L)	3.20mm +/-0.20mm
Width(W)	1.60mm +/-0.20mm
Thickness(T)	1.60mm +/-0.20mm
Terminal Width(B)	0.20mm Min.
Terminal Spacing(G)	1.00mm Min.
Recommended Land Pattern(PA)	2.10 to 2.50mm (Flow Soldering) 2.00 to 2.40mm (Reflow Soldering)
Recommended Land Pattern(PB)	1.10 to 1.30mm (Flow Soldering) 1.00 to 1.20mm (Reflow Soldering)
Recommended Land Pattern(PC)	1.00 to 1.30mm (Flow Soldering) 1.10 to 1.60mm (Reflow Soldering)
Recommended Slit Pattern(SD)	

Electrical Characteristics	
Capacitance	1uF +/-20%
Rated Voltage	100Vdc
Temperature Characteristic	X7R(+/-15%)
Dissipation Factor	3% Max.
Insulation Resistance	500MΩ Min.

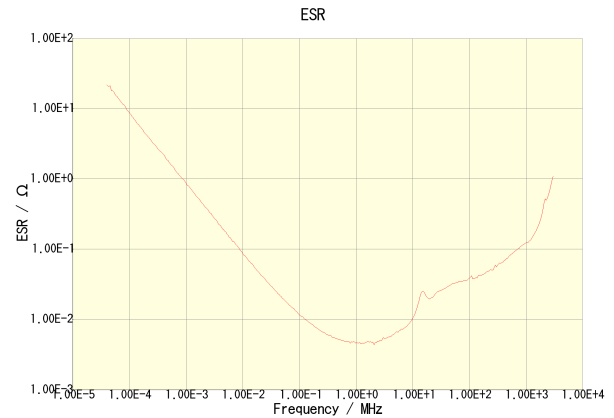
Other	
Soldering Method	Reflow, Flow
AEC Q200	No
Packing	Blister (Plastic)Taping [180mm Reel]
Package Quantity	2000Pcs Min.

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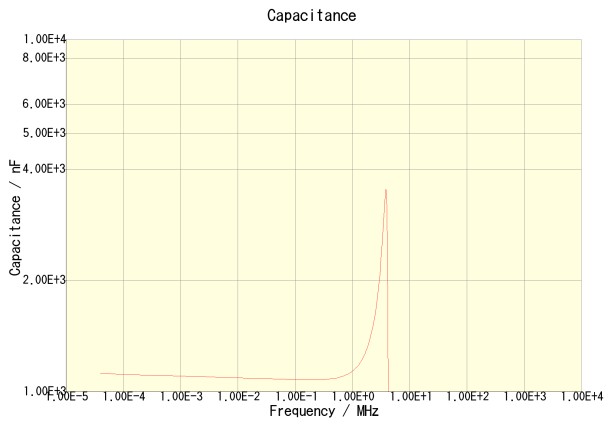
Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)



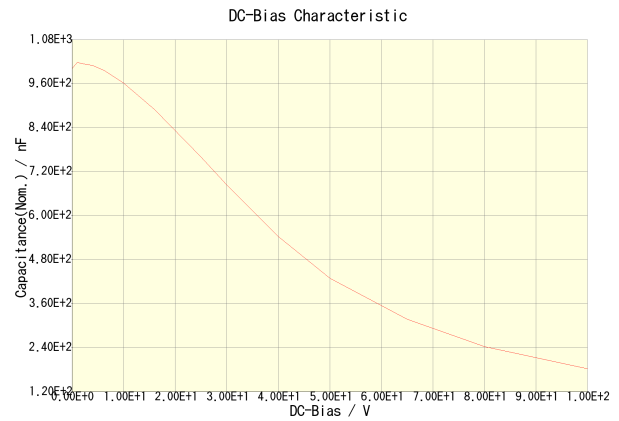
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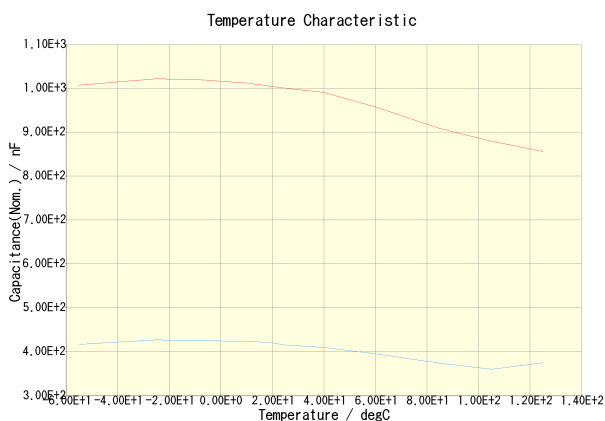
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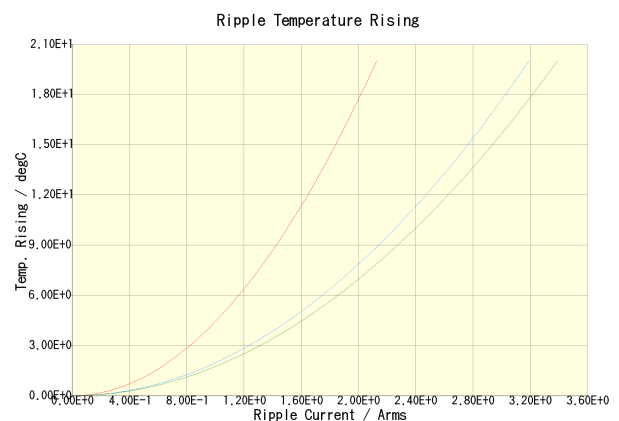
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C3216X7R2A105M160AA



C3216X7R2A105M160AA(DC Bias = 0V) C3216X7R2A105M160AA(DC Bias = 50V)



C3216X7R2A105M160AA(100kHz) C3216X7R2A105M160AA(500kHz)
C3216X7R2A105M160AA(1MHz)