

# C3216X7R1E105K085AA (TDK item description : C3216X7R1E105KT\*\*\*\*)

Applications



Commercial Grade



Please refer to Part No. CGA5L2X7R1E105K160AA for automotive use.

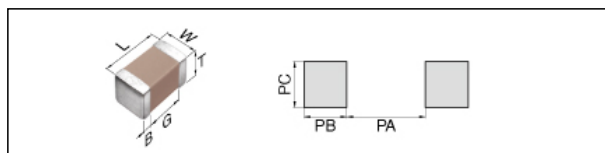
Feature

**General**

General (Up to 50V)

Series

C3216 [EIA CC1206]



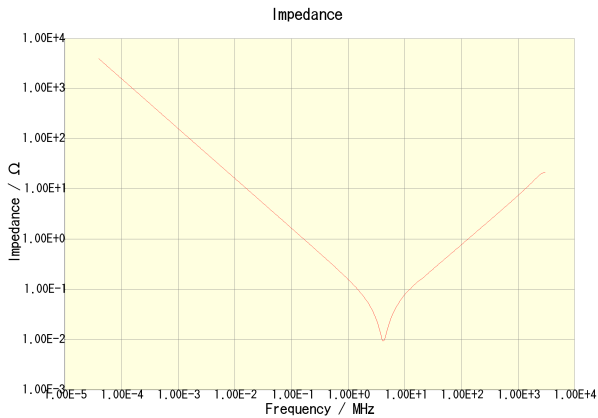
Size	
Length(L)	3.20mm +/-0.20mm
Width(W)	1.60mm +/-0.20mm
Thickness(T)	0.85mm +/-0.15mm
Terminal Width(B)	0.20mm Min.
Terminal Spacing(G)	1.00mm Min.
Recommended Land Pattern(PA)	2.10 to 2.50mm (Flow Soldering) 2.00 to 2.40mm (Reflow Soldering)
Recommended Land Pattern(PB)	1.10 to 1.30mm (Flow Soldering) 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 +/-10%
Rated Voltage	25Vdc
Temperature Characteristic	X7R(+/-15%)
Dissipation Factor	3% Max.
Insulation Resistance	500MΩ Min.

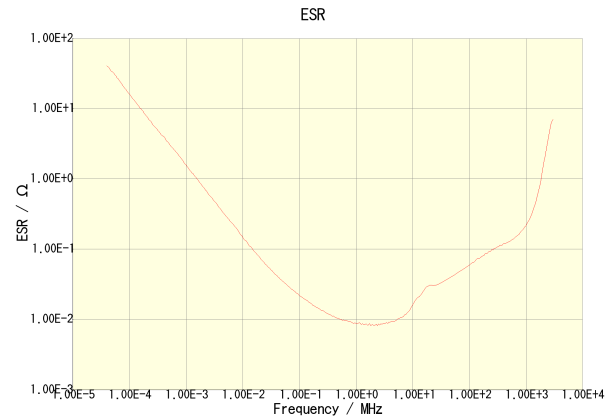
Other	
Soldering Method	Reflow, Flow
AEC Q200	No
Packing	Blister (Plastic)Taping [180mm Reel]
Package Quantity	4000Pcs Min.

# C3216X7R1E105K085AA

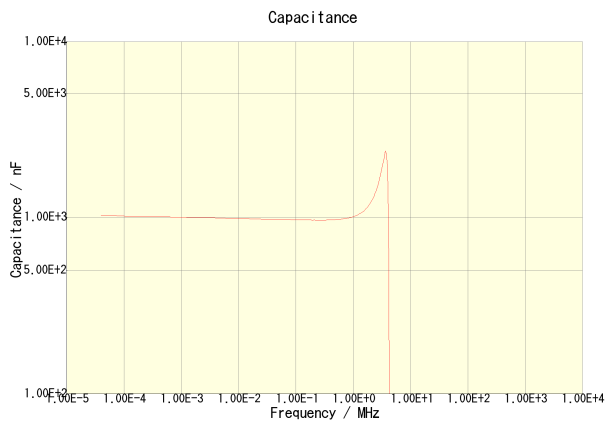
## Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)



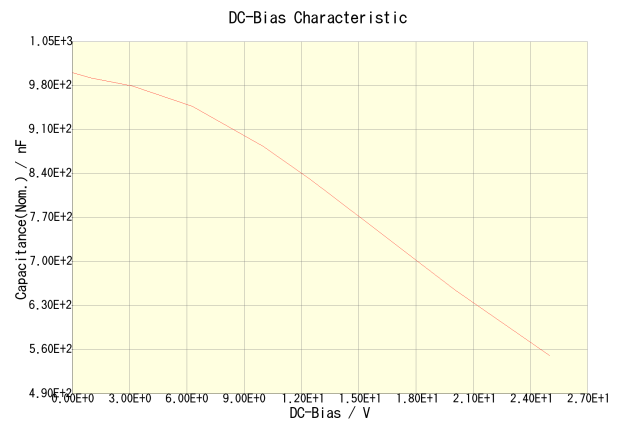
C3216X7R1E105K085AA



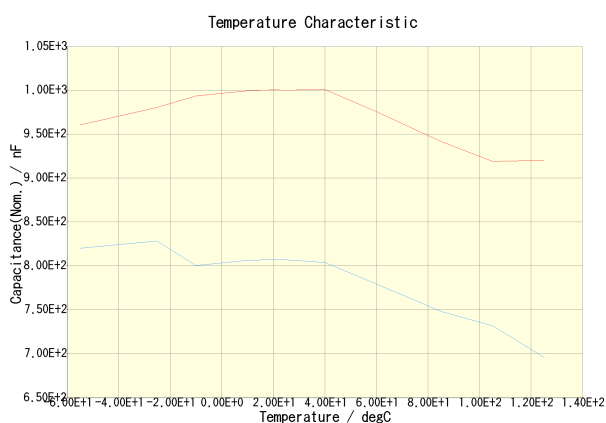
C3216X7R1E105K085AA



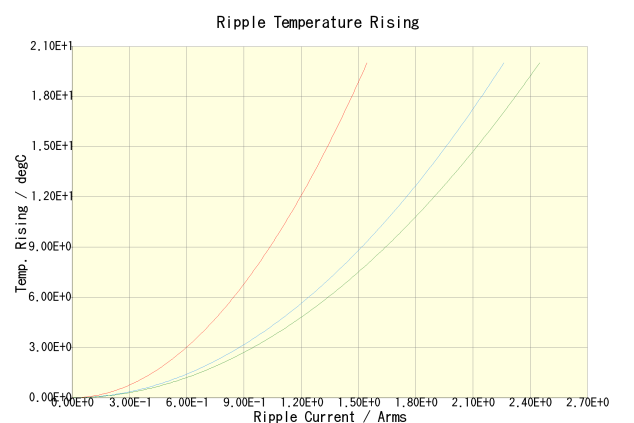
C3216X7R1E105K085AA



C3216X7R1E105K085AA



C3216X7R1E105K085AA(DC Bias = 0V) C3216X7R1E105K085AA(DC Bias = 12.5V)



C3216X7R1E105K085AA(100kHz) C3216X7R1E105K085AA(500kHz)  
C3216X7R1E105K085AA(1MHz)