

# C1608X7R2A102K080AA (TDK item description : C1608X7R2A102KT\*\*\*\*)

Applications



Commercial Grade



Please refer to Part No. CGA3E2X7R2A102K080AA for automotive use.

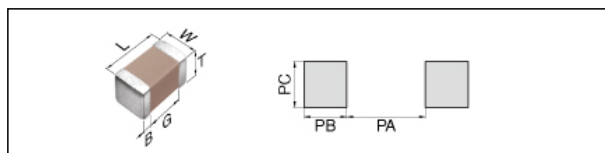
Feature

Mid

Mid Voltage (100 to 630V)

Series

C1608 [EIA CC0603]



Size	
Length(L)	1.60mm +/-0.10mm
Width(W)	0.80mm +/-0.10mm
Thickness(T)	0.80mm +/-0.10mm
Terminal Width(B)	0.20mm Min.
Terminal Spacing(G)	0.30mm Min.
Recommended Land Pattern(PA)	0.70 to 1.00mm (Flow Soldering) 0.60 to 0.80mm (Reflow Soldering)
Recommended Land Pattern(PB)	0.80 to 1.00mm (Flow Soldering) 0.60 to 0.80mm (Reflow Soldering)
Recommended Land Pattern(PC)	0.60 to 0.80mm (Flow Soldering) 0.60 to 0.80mm (Reflow Soldering)
Recommended Slit Pattern(SD)	

Electrical Characteristics	
Capacitance	1nF +/-10%
Rated Voltage	100Vdc
Temperature Characteristic	X7R(+/-15%)
Dissipation Factor	3% Max.
Insulation Resistance	10000MΩ Min.

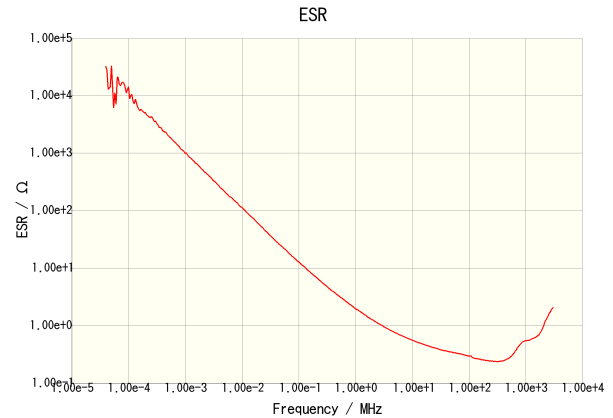
Other	
Soldering Method	Reflow, Flow
AEC Q200	No
Packing	Punched (Paper)Taping [180mm Reel]
Package Quantity	4000Pcs Min.

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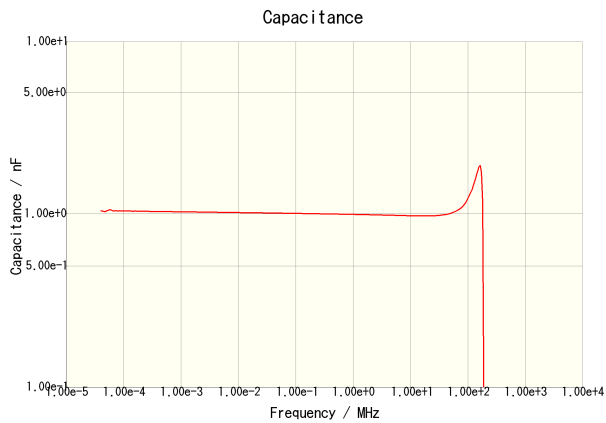
## Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)



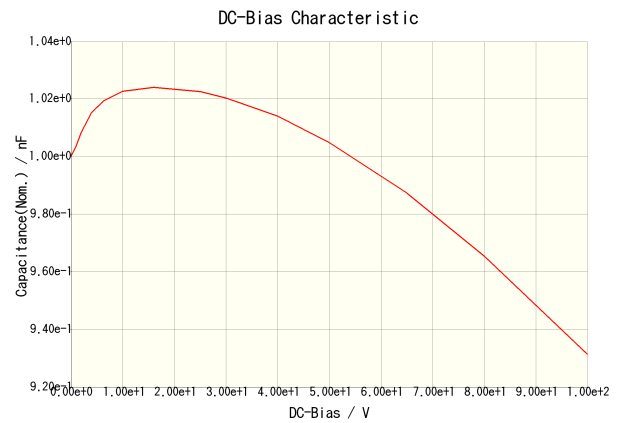
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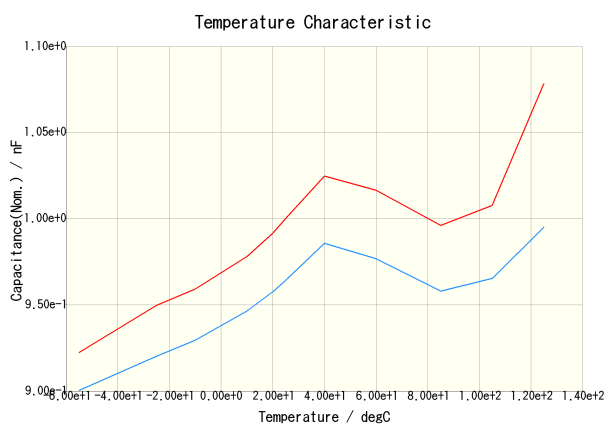
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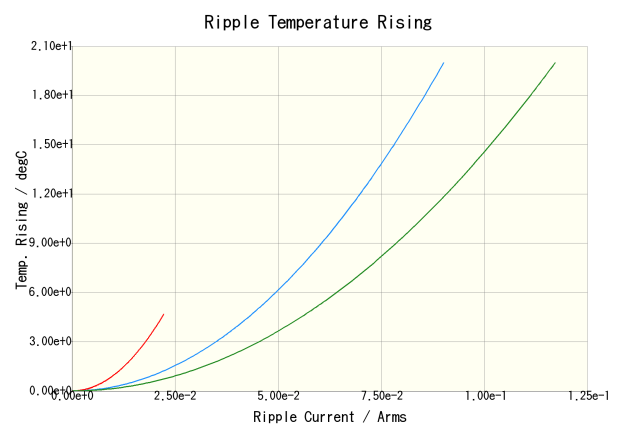
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C1608X7R2A102K080AA



C1608X7R2A102K080AA(DC Bias = 0V) C1608X7R2A102K080AA(DC Bias = 50V)



C1608X7R2A102K080AA(100kHz) C1608X7R2A102K080AA(500kHz)  
C1608X7R2A102K080AA(1MHz)