

# C1608X8R1E104K080AA (TDK item description : C1608X8R1E104KT\*\*\*\*)

Applications



Commercial Grade



Please refer to Part No. CGA3E2X8R1E104K080AA for automotive use.

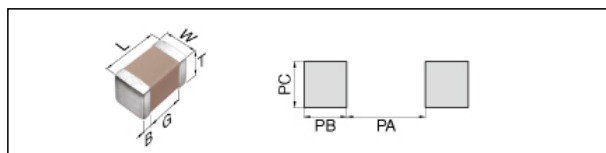
Feature

150°C

High Temperature Application

Series

C1608 [EIA CC0603]



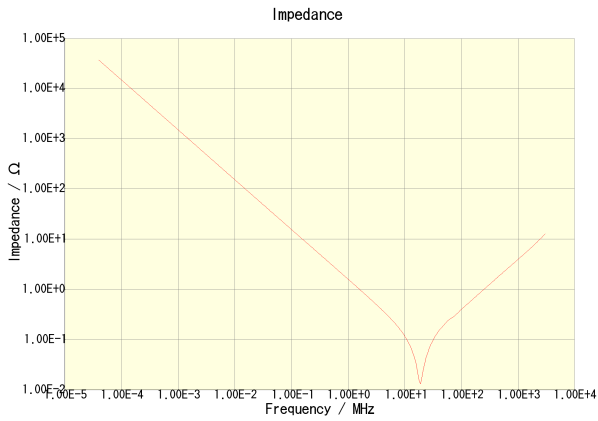
Size	
Length(L)	1.60mm +/-0.10mm
Width(W)	0.80mm +/-0.10mm
Thickness(T)	0.80mm +/-0.10mm
Terminal Width(B)	0.20mm Min.
Terminal Spacing(G)	0.30mm Min.
Recommended Land Pattern(PA)	0.70 to 1.00mm (Flow Soldering) 0.60 to 0.80mm (Reflow Soldering)
Recommended Land Pattern(PB)	0.80 to 1.00mm (Flow Soldering) 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	100nF +/-10%
Rated Voltage	25Vdc
Temperature Characteristic	X8R(+/-15%)
Dissipation Factor	3% Max.
Insulation Resistance	5000MΩ Min.

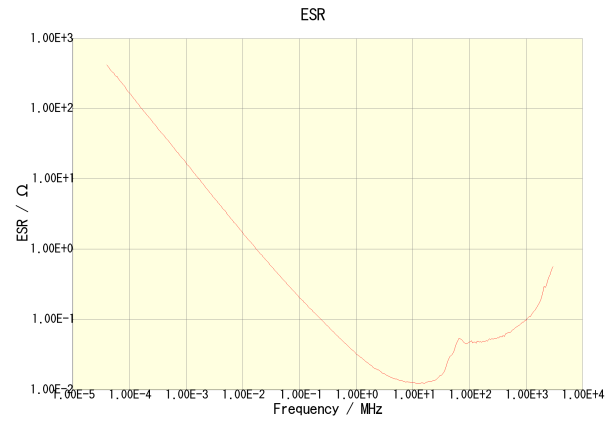
Other	
Soldering Method	Reflow, Flow
AEC Q200	No
Packing	Punched (Paper)Taping [180mm Reel]
Package Quantity	4000Pcs Min.

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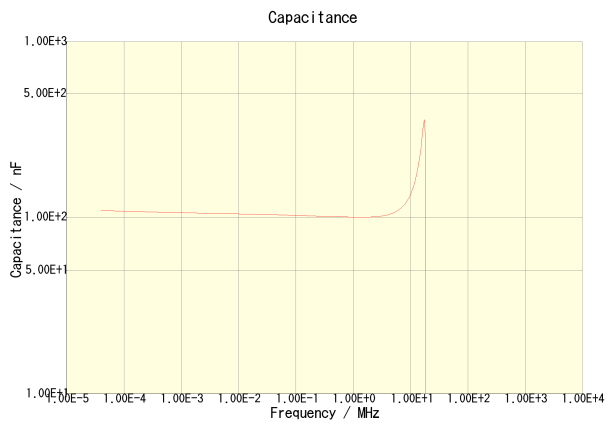
## Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)



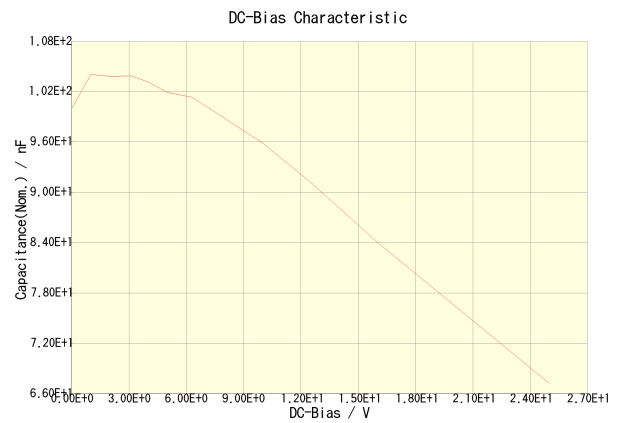
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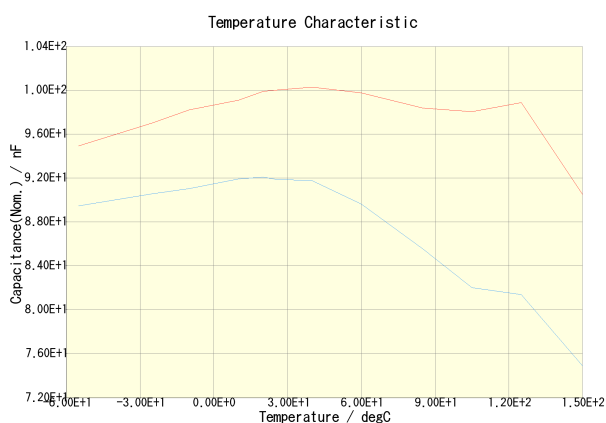
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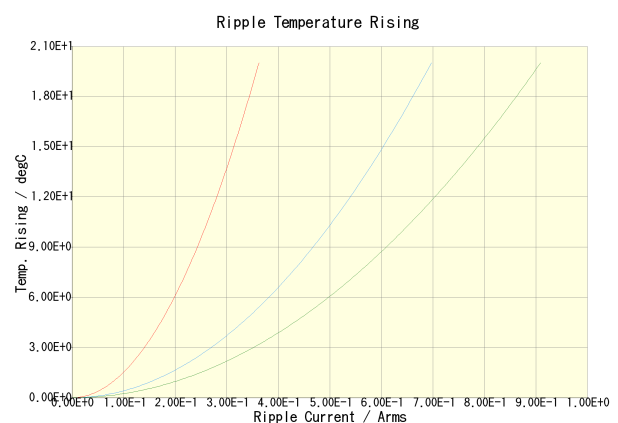
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C1608X8R1E104K080AA(DC Bias = 0V) C1608X8R1E104K080AA(DC Bias = 12.5V)



C1608X8R1E104K080AA(100kHz) C1608X8R1E104K080AA(500kHz)  
C1608X8R1E104K080AA(1MHz)