

☆TDK Multilayer Ceramic Chip Capacitors

Page 1 of 2

Creation Date: July 21, 2014

C1608X7R2A103M080AA (TDK item description: C1608X7R2A103MT****)

Applications



Commercial Grade



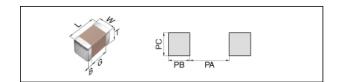
Please refer to Part No. CGA3E2X7R2A103M080AA for automotive use.

Feature

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) br />0.60 to 0.80mm (I	Reflow Soldering)
Recommended Land Pattern(PB)	0.80 to 1.00mm (Flow Soldering) br />0.60 to 0.80mm (I	Reflow Soldering)
Recommended Land Pattern(PC)	0.60 to 0.80mm (Flow Soldering) br />0.60 to 0.80mm (I	Reflow Soldering)
Recommended Slit Pattern(SD)		

Electrical Characteristics		
Capacitance	10nF +/-20%	
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.)



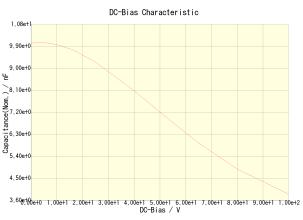


ESR

C1608X7R2A103M080AA

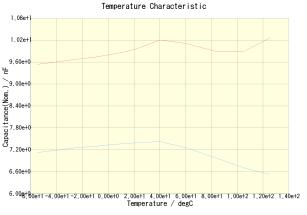


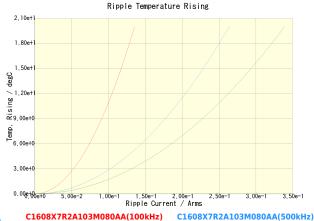




C1608X7R2A103M080AA







C1608X7R2A103M080AA(DC Bias = 0V).608X7R2A103M080AA(DC Bias = 50V)

C1608X7R2A103M080AA(1MHz)

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