

# **☆TDK** Multilayer Ceramic Chip Capacitors

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Creation Date: October 31, 2014

## C1608X7R2A103K080AA (TDK item description : C1608X7R2A103KT\*\*\*\*)

**Applications** 



Commercial Grade



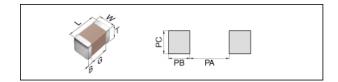
Please refer to Part No. CGA3E2X7R2A103K080AA for automotive use.

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

Electrical Characteristics		
Capacitance	10nF +/-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.

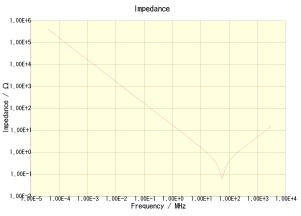
<sup>•</sup>This PDF document was created based on the data listed on the TDK Corporation website.

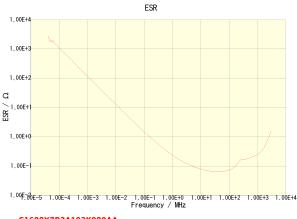
<sup>•</sup>All specifications are subject to change without notice.

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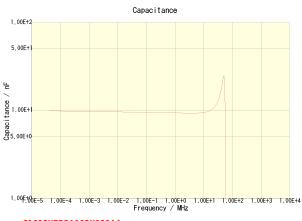
Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)







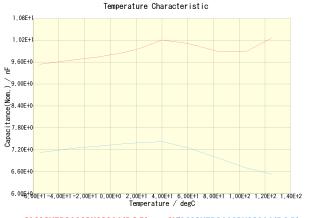






### C1608X7R2A103K080AA







C1608X7R2A103K080AA(DC Bias = 0V)1608X7R2A103K080AA(DC Bias = 50V)

C1608X7R2A103K080AA(100kHz) C1608X7R2A103K080AA(500kHz)

C1608X7R2A103K080AA(1MHz)

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