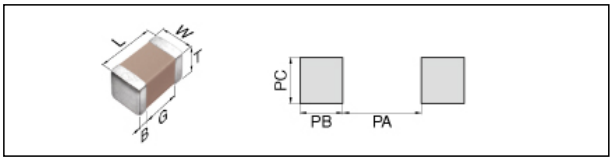
Creation Date : September 05, 2016

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

Applications		Commercial Grade
		Please refer to Part No. CGA3E2X7R2A103M080AA 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	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.

•This PDF document was created based on the data listed on the TDK Corporation website.

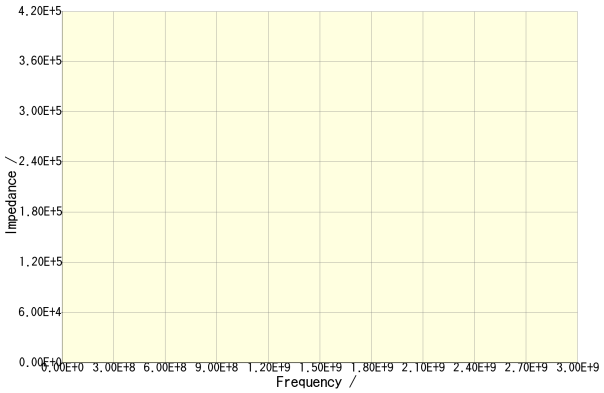
•All specifications are subject to change without notice.

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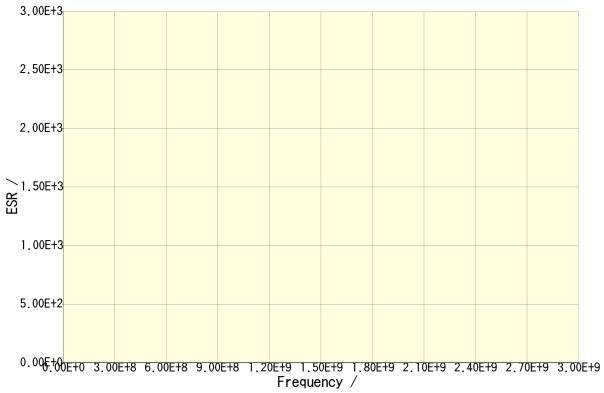
Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)

Impedance



C1608X7R2A103M080AA

ESR



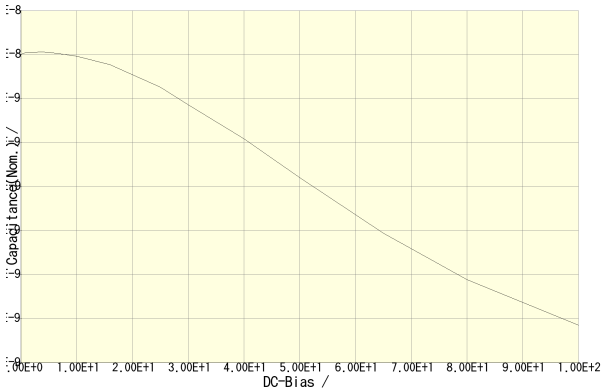
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Capacitance



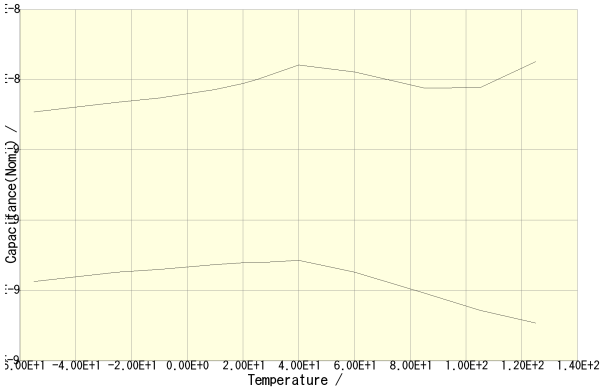
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DC-Bias Characteristic



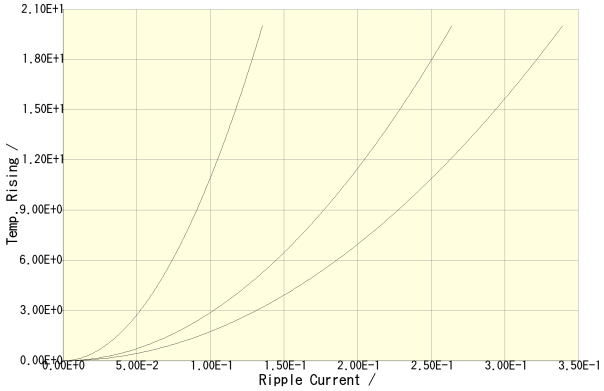
C1608X7R2A103M080AA

Temperature Characteristic



C1608X7R2A103M080AA(DC Bias = 0V) **C1608X7R2A103M080AA(DC Bias = 50V)**

Ripple Temperature Rising



C1608X7R2A103M080AA(100kHz) **C1608X7R2A103M080AA(500kHz)**

C1608X7R2A103M080AA(1MHz)

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