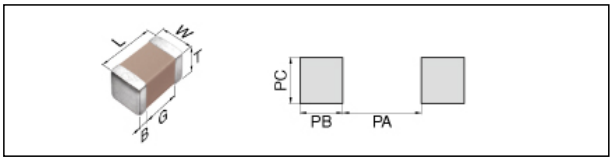
Creation Date : October 24, 2014

C1608X5R1E225K080AB (TDK item description : C1608X5R1E225KT****)

Applications		Commercial Grade
Feature	General	General (Up to 50V)
Series		C1608 [EIA CC0603]



Lead Free | Halogen Free | REACH | RoHS COMPLIANT

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	2.2uF +/-10%
Rated Voltage	25Vdc
Temperature Characteristic	X5R(+/-15%)
Dissipation Factor	10% Max.
Insulation Resistance	227MΩ 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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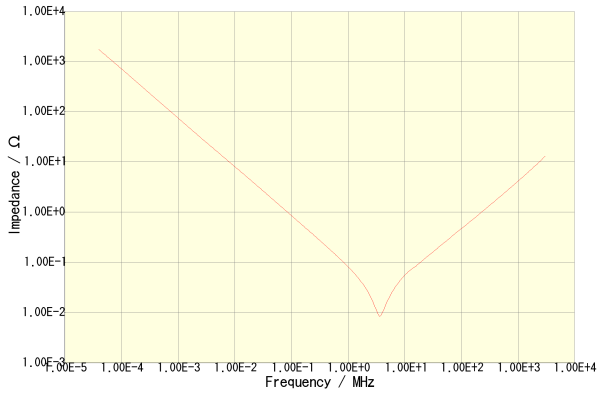
Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)

Impedance



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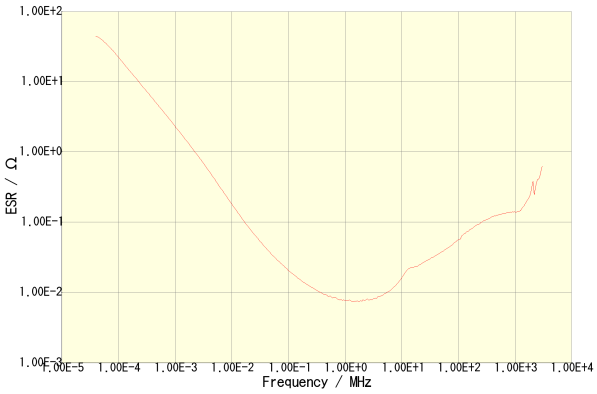
ESR



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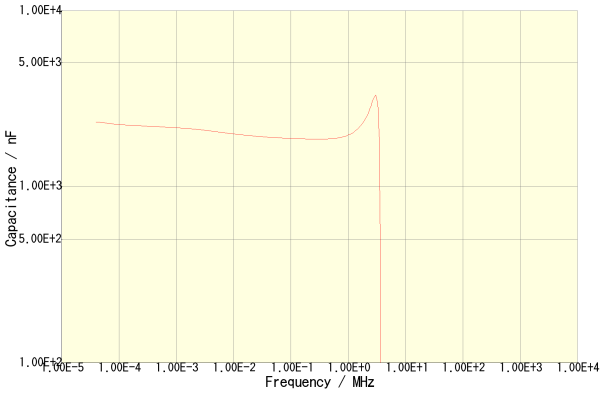
Capacitance



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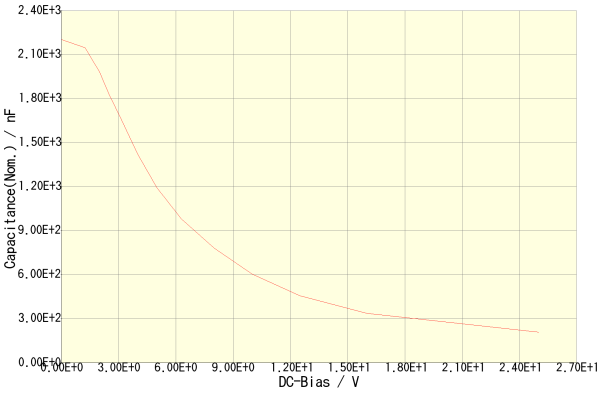
DC-Bias Characteristic



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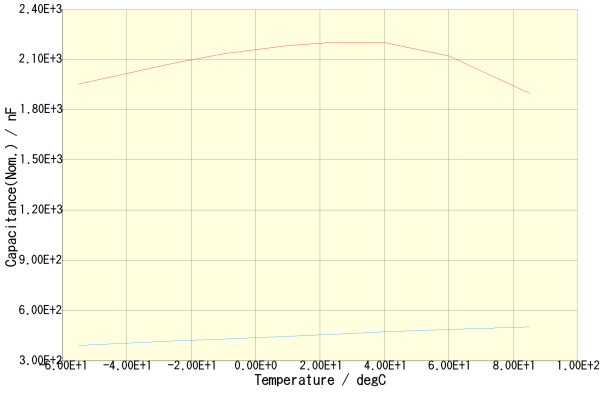
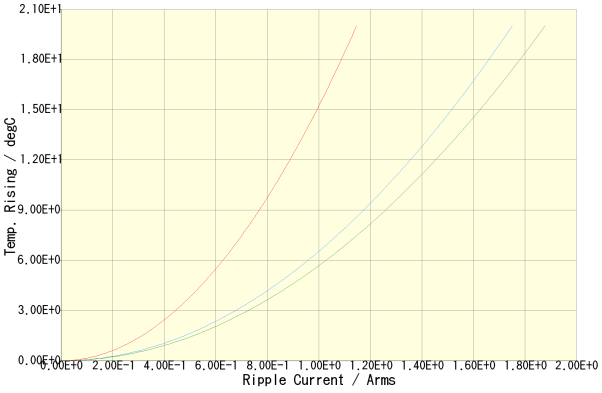
Temperature Characteristic



C1608X5R1E225K080AB(DC Bias = 0V) C1608X5R1E225K080AB(DC Bias = 12.5V)

Ripple Temperature Rising



C1608X5R1E225K080AB(100kHz) C1608X5R1E225K080AB(500kHz) C1608X5R1E225K080AB(1MHz)

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