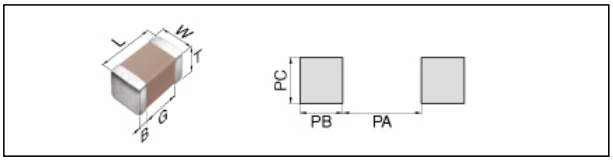
Creation Date : September 04, 2016

C1608X6S1C475K080AC (TDK item description : C1608X6S1C475KT****)

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 +0.20/-0.10mm
Width(W)	0.80mm +0.20/-0.10mm
Thickness(T)	0.80mm +0.20/-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	4.7uF +/-10%
Rated Voltage	16Vdc
Temperature Characteristic	X6S(+/-22%)
Dissipation Factor	10% Max.
Insulation Resistance	21MΩ Min.

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

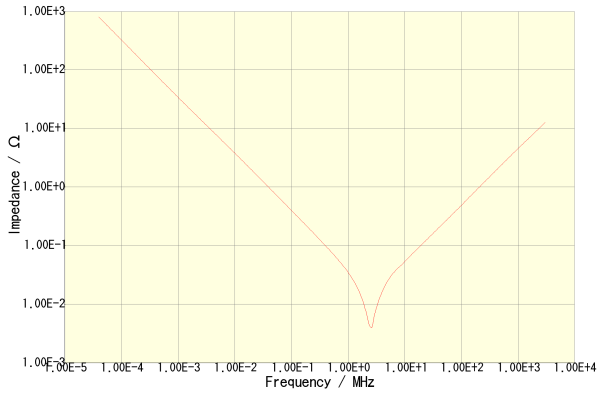
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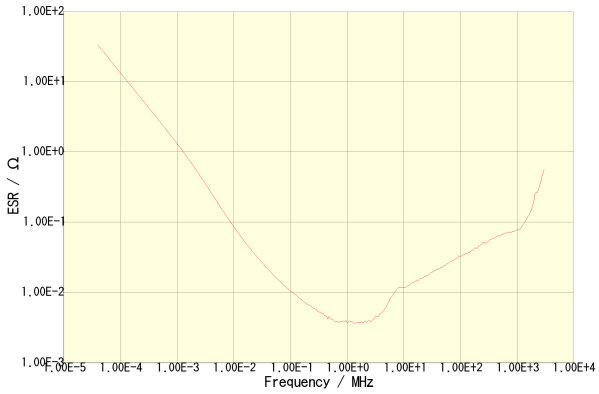
Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)

Impedance



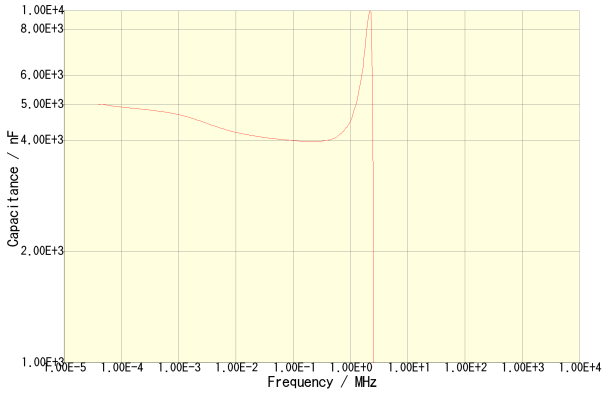
C1608X6S1C475K080AC

ESR



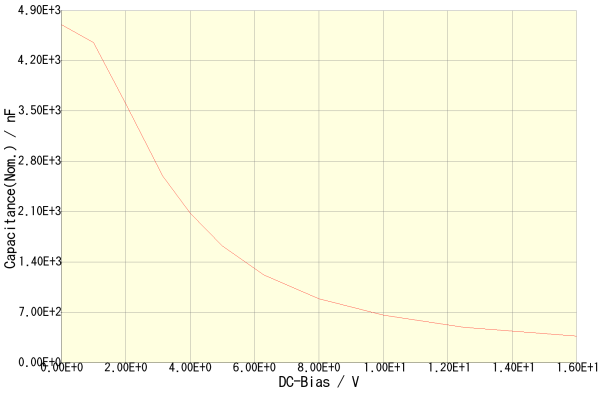
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Capacitance



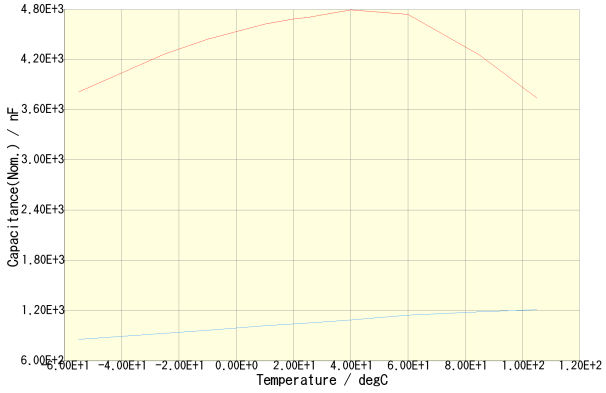
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DC-Bias Characteristic



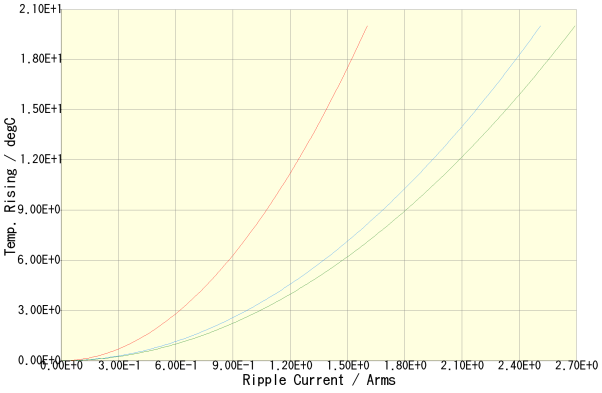
C1608X6S1C475K080AC

Temperature Characteristic



C1608X6S1C475K080AC(DC Bias = 0V) C1608X6S1C475K080AC(DC Bias = 8V)

Ripple Temperature Rising



C1608X6S1C475K080AC(100kHz) C1608X6S1C475K080AC(500kHz)

C1608X6S1C475K080AC(1MHz)

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