⏎TDK

Multilayer Ceramic Chip Capacitors

C1005X5R1A475M050BC

RoHS Reach Halogen Free Pb Free

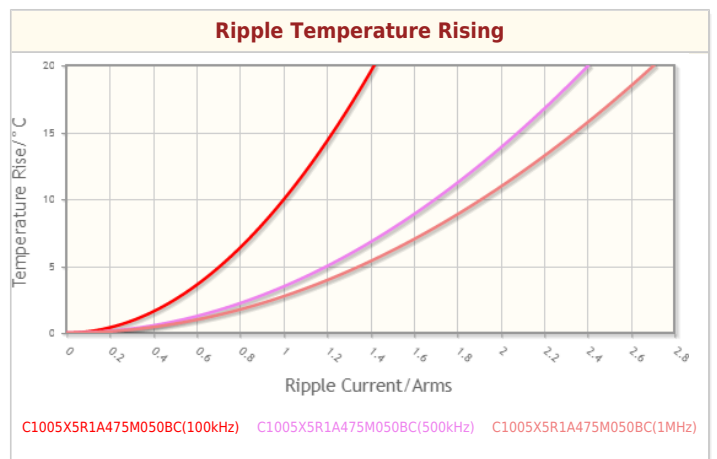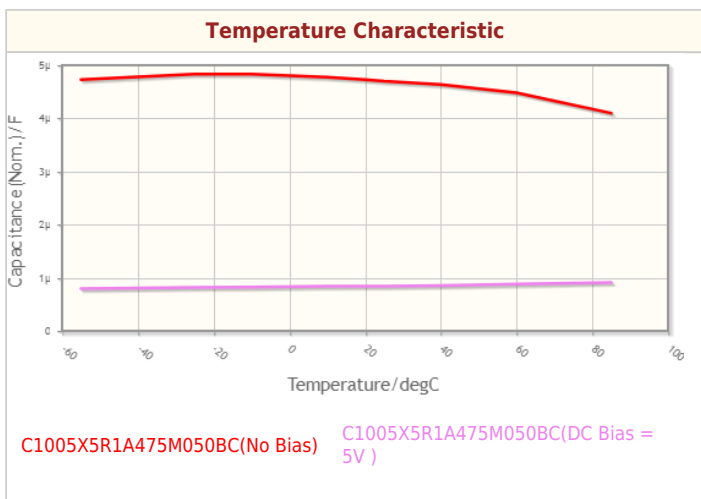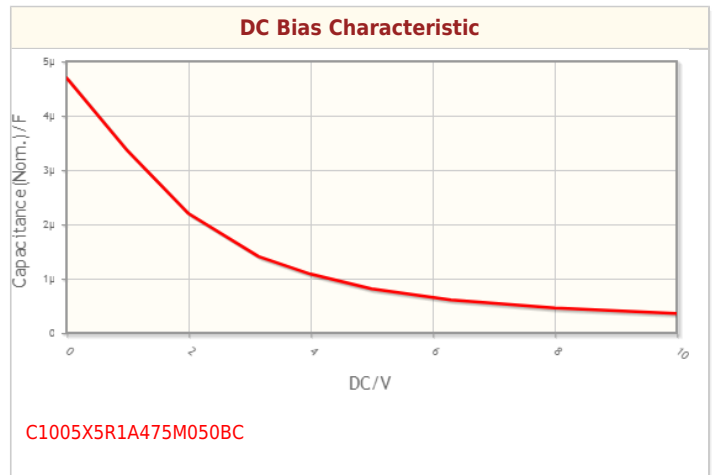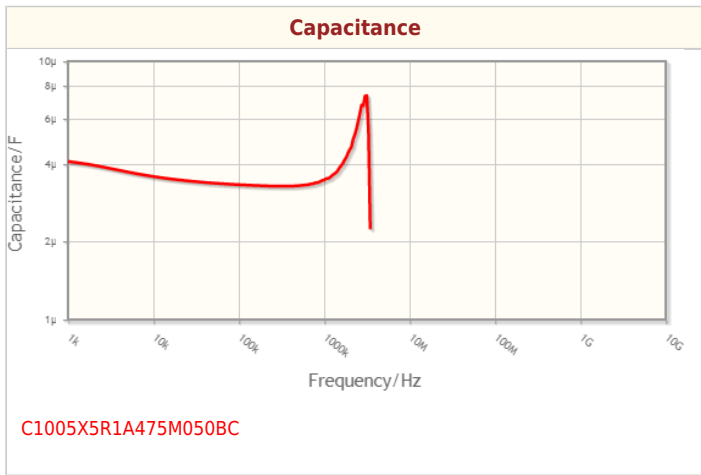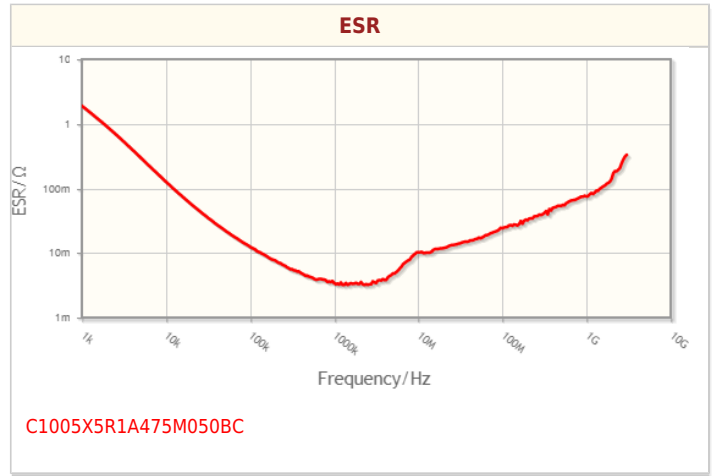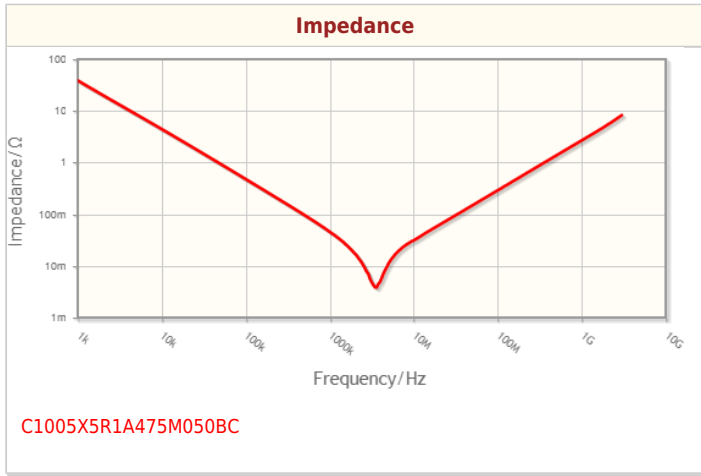|	
TDK item description	C1005X5R1A475MT****
Applications	Commercial Grade
Feature	General General (Up to 75V)
Series	C1005 [EIA 0402]
Status	Production (Not Recommended for New Design) Recommended Alternate Part No. : C1005X5R1A475K050BC (Interchangeability is not guaranteed.)
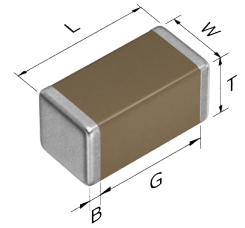
Size	
Length(L)	1.00mm +0.15,-0.10mm
Width(W)	0.50mm +0.15,-0.10mm
Thickness(T)	0.50mm +0.15,-0.10mm
Terminal Width(B)	0.10mm Min.
Terminal Spacing(G)	0.30mm Min.
Recommended Land Pattern (PA)	0.30mm to 0.50mm
Recommended Land Pattern (PB)	0.35mm to 0.45mm
Recommended Land Pattern (PC)	0.40mm to 0.60mm

Electrical Characteristics	
Capacitance	4.7μF ±20%
Rated Voltage	10VDC
Temperature Characteristic	X5R(±15%)
Dissipation Factor (Max.)	10%
Insulation Resistance (Min.)	21MΩ

Other	
Soldering Method	Reflow
AEC-Q200	NO
Packing	Punched (Paper)Taping [180mm Reel]
Package Quantity	10000pcs

! Images are for reference only and show exemplary products.
! 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 products characteristics.)

Impedance

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ESR

C1005X5R1A475M050BC

Capacitance

C1005X5R1A475M050BC

DC Bias Characteristic

C1005X5R1A475M050BC

Temperature Characteristic

C1005X5R1A475M050BC(No Bias)   C1005X5R1A475M050BC(DC Bias = 5V)

Ripple Temperature Rising

C1005X5R1A475M050BC(100kHz)   C1005X5R1A475M050BC(500kHz)   C1005X5R1A475M050BC(1MHz)

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Associated Images

Land Pattern (Terminal Connection)