

C0402X7R1A102K020BC

TDK Item Description : C0402X7R1A102KT****



Application & Main Feature

Commercial Grade (General (Up to 50V))

Series

C0402 [EIA CC01005]



Dimensions

L 0.40mm +/-0.02mm
 W 0.20mm +/-0.02mm
 T 0.20mm +/-0.02mm
 B 0.07mm Min.
 G 0.14mm Min.

Temperature Characteristic

X7R (-55 to 125 degC +/-15%)

Rated Voltage

1A (10Vdc)

Capacitance

1nF

Capacitance Tolerance

K (+/-10%)

Dissipation Factor

5% Max.

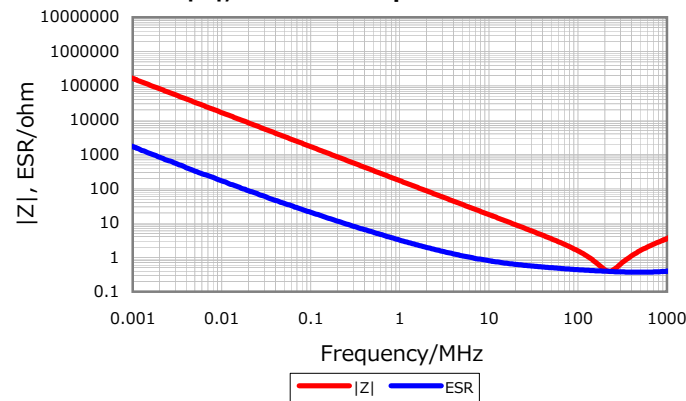
Insulation Resistance

10Gohm Min.

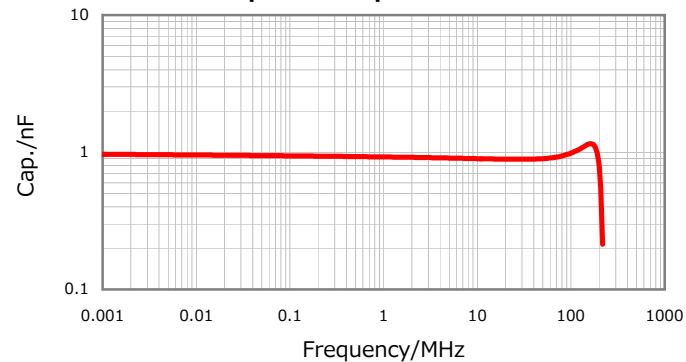
AEC-Q200

Not Applicable

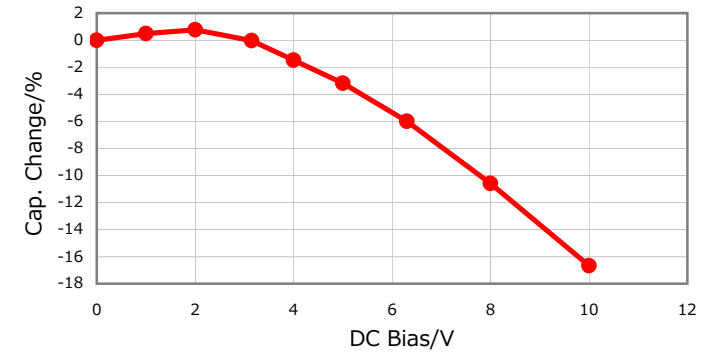
|Z|, ESR vs. Freq. Characteristics



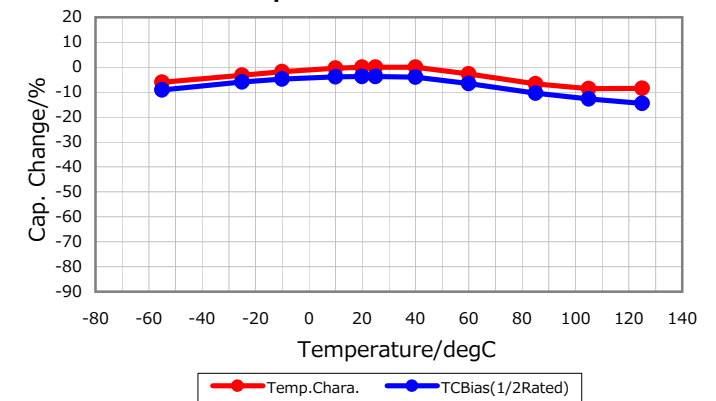
Cap. vs. Freq. Characteristic



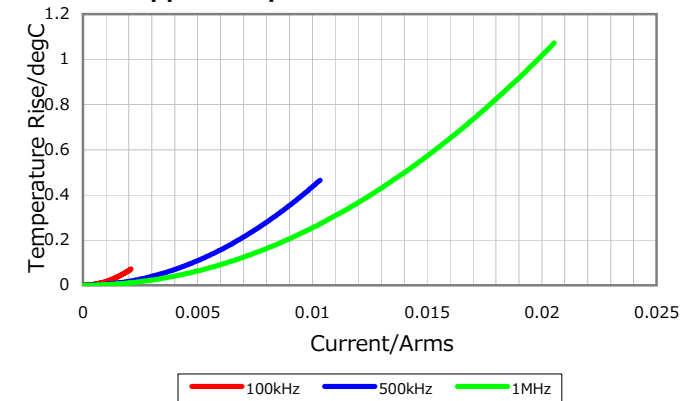
DC Bias Characteristic



Temperature Characteristics



Ripple Temperature Rise Characteristics



Characterization Sheet (Multilayer Ceramic Chip Capacitors)



All specifications are subject to change without notice.

January 2, 2016