

C1005X7R1E683K050BB

TDK Item Description : C1005X7R1E683KT****



Application & Main Feature

Commercial Grade (General (Up to 50V))

Series

C1005 [EIA CC0402]



Dimensions

L 1.00mm +/-0.05mm
 W 0.50mm +/-0.05mm
 T 0.50mm +/-0.05mm
 B 0.10mm Min.
 G 0.30mm Min.

Temperature Characteristic

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

Rated Voltage

1E (25Vdc)

Capacitance

68nF

Capacitance Tolerance

K (+/-10%)

Dissipation Factor

5% Max.

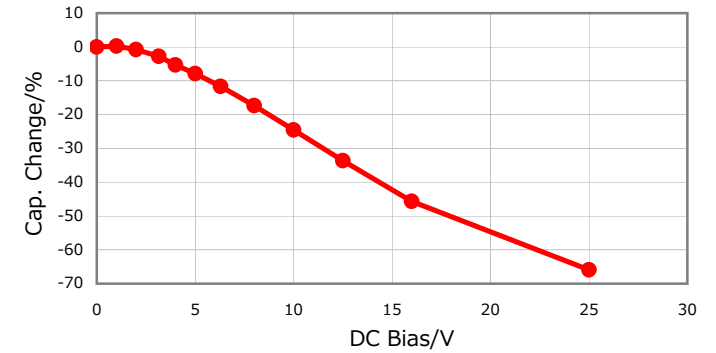
Insulation Resistance

7.35Gohm Min.

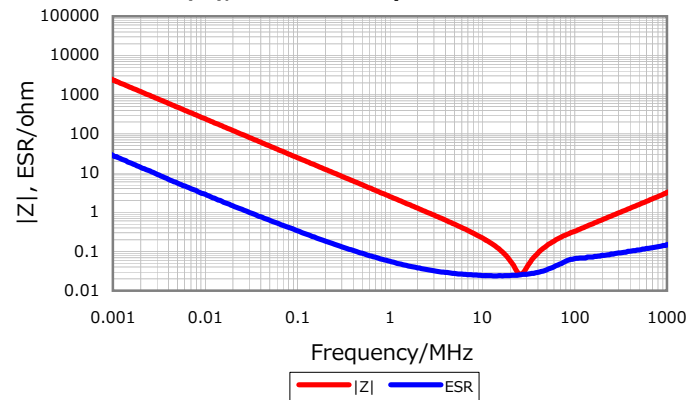
AEC-Q200

Not Applicable

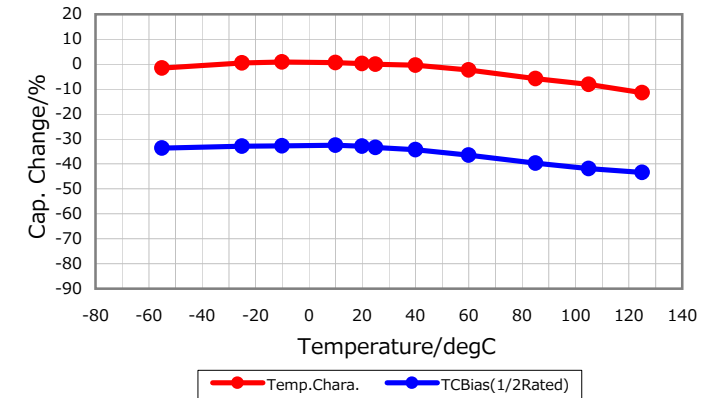
DC Bias Characteristic



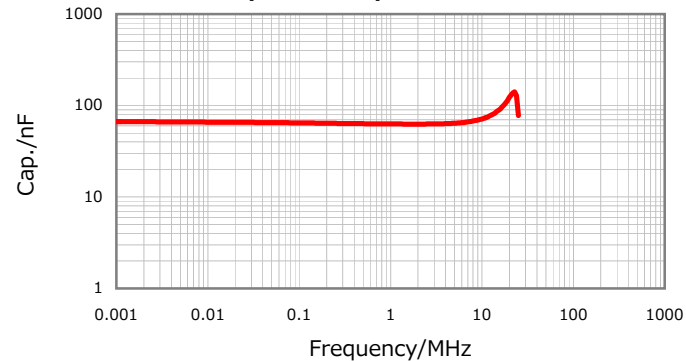
|Z|, ESR vs. Freq. Characteristics



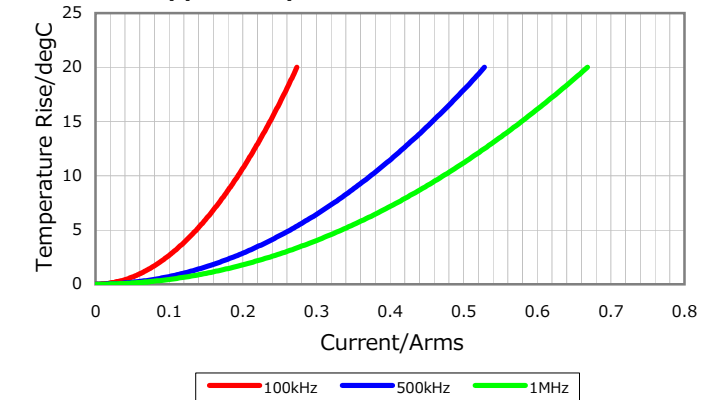
Temperature Characteristics



Cap. vs. Freq. Characteristic



Ripple Temperature Rise Characteristics



Characterization Sheet (Multilayer Ceramic Chip Capacitors)



All specifications are subject to change without notice.

January 3, 2016