

C1005X7R1H103K050BE

TDK Item Description : C1005X7R1H103KT***S



Application & Main Feature

Commercial Grade (Soft Termination)

Series

C1005 [EIA CC0402]

Dimensions

L	1.00mm +0.15,-0.05mm
W	0.50mm +0.1,-0.05mm
T	0.50mm +0.1,-0.05mm
B	0.10mm Min.
G	0.30mm Min.

Temperature Characteristic

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

Rated Voltage

1H (50Vdc)

Capacitance

10nF

Capacitance Tolerance

K (+/-10%)

Dissipation Factor

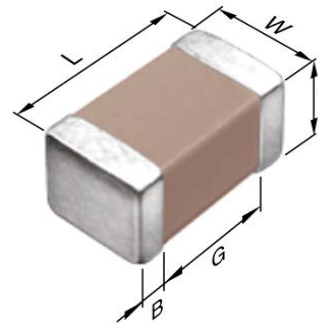
5% Max.

Insulation Resistance

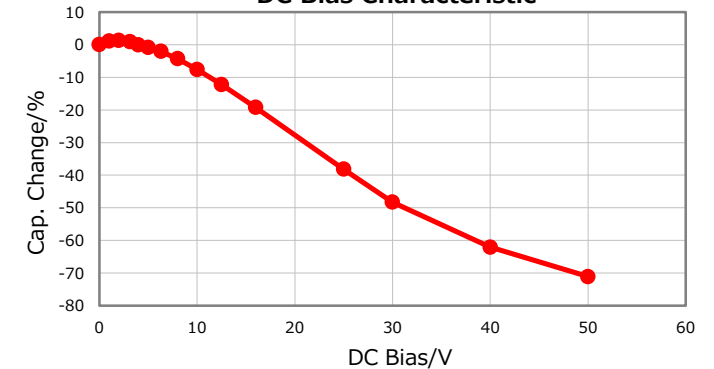
10Gohm Min

AEC-Q200

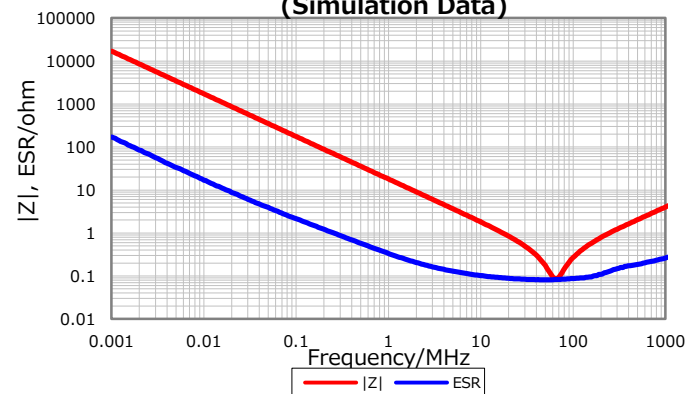
Not Applicable



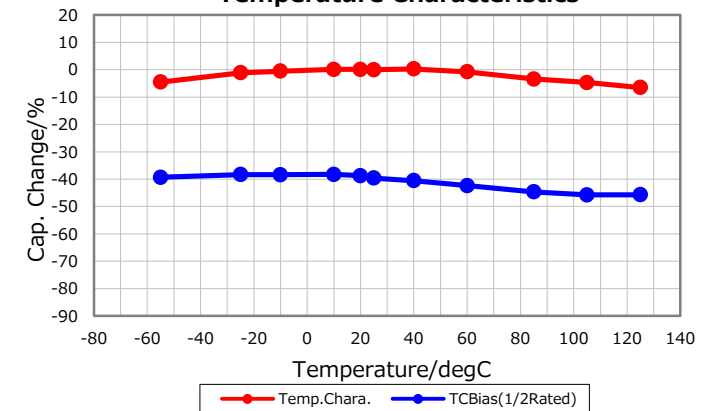
DC Bias Characteristic



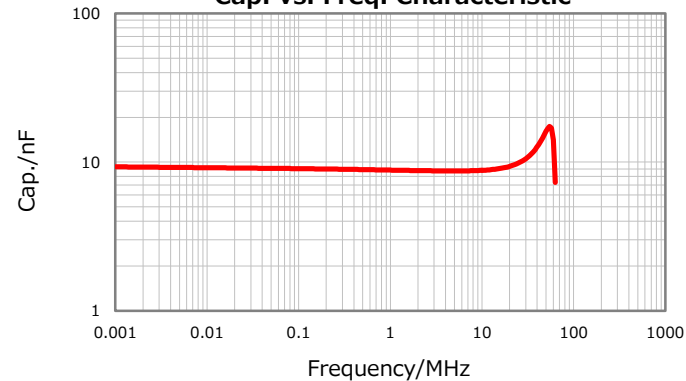
|Z|, ESR vs. Freq. Characteristics (Simulation Data)



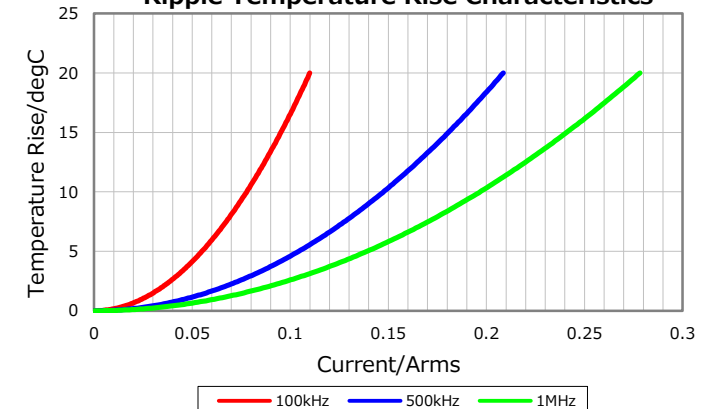
Temperature Characteristics



Cap. vs. Freq. Characteristic



Ripple Temperature Rise Characteristics



All specifications are subject to change without notice.

March 16, 2017