

C1005X5R1V225K050BE

TDK Item Description : C1005X5R1V225KT***S



Application & Main Feature

Commercial Grade (Soft Termination)

Series

C1005 [EIA 0402]



Dimensions

L	1.00mm +0.25,-0.1mm
W	0.50mm +0.2,-0.1mm
T	0.50mm +0.2,-0.1mm
B	0.10mm Min.
G	0.30mm Min.

Temperature Characteristic

X5R (-55 to 85 degC ±15%)

Rated Voltage

1V(35Vdc)

Capacitance

2.2uF

Capacitance Tolerance

K (+/-10%)

Dissipation Factor

10% Max.

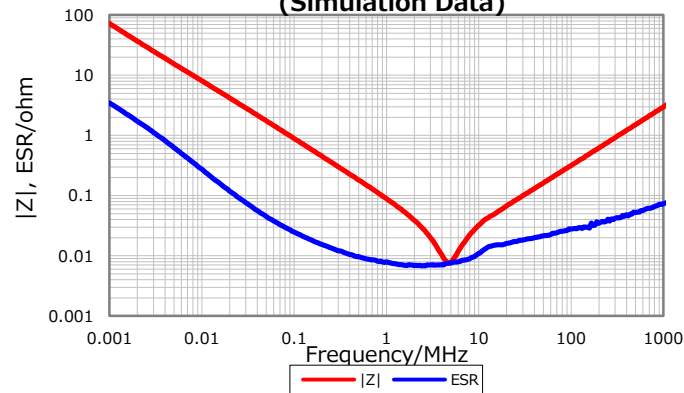
Insulation Resistance

227Mohm Min.

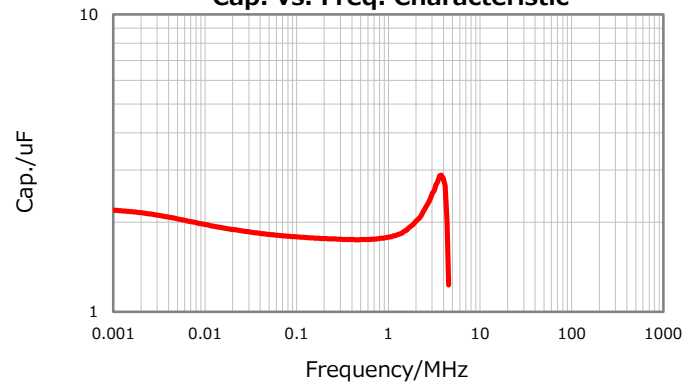
AEC-Q200

Not Applicable

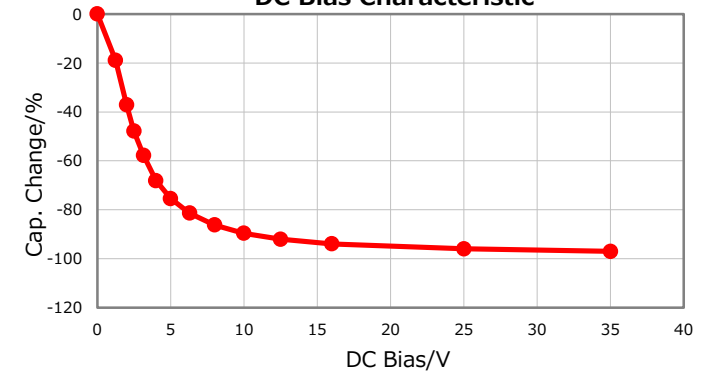
|Z|, ESR vs. Freq. Characteristics (Simulation Data)



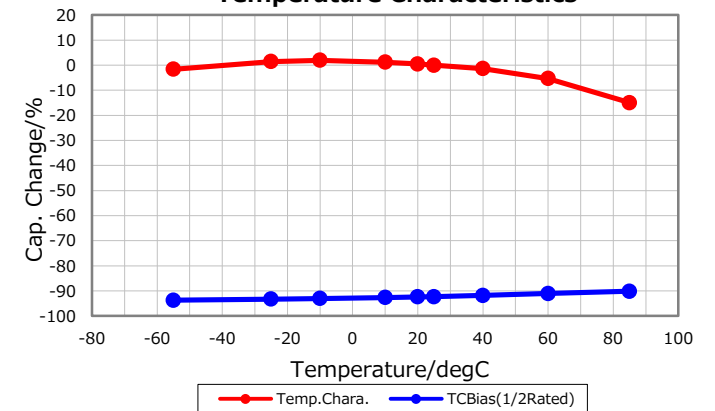
Cap. vs. Freq. Characteristic



DC Bias Characteristic



Temperature Characteristics



Ripple Temperature Rise Characteristics

