

C1005X7R1V224M050BE

TDK item description : C1005X7R1V224MT***S



Application & Main Feature

Commercial grade (Soft termination)

Series

C1005 [EIA 0402]

Dimensions

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

Temperature Characteristic

X7R (-55 to +125 degC, $\pm 15\%$)

Rated Voltage

1V (35Vdc)

Capacitance

220nF

Capacitance Tolerance

M ($\pm 20\%$)

DF

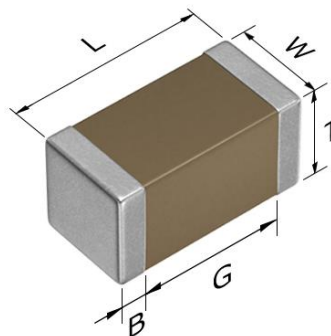
5 % max.

Insulation Resistance

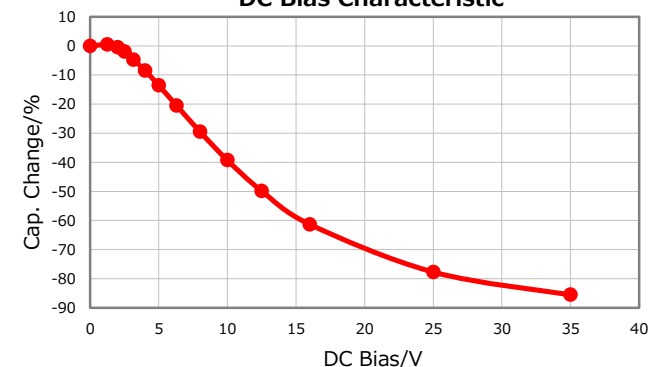
2272 Mohm min.

AEC-Q200

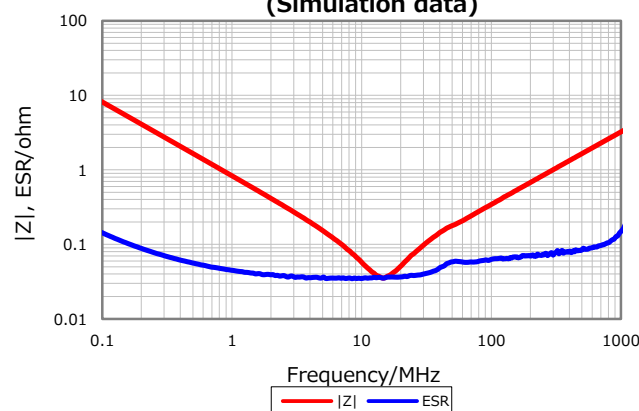
Not Applicable



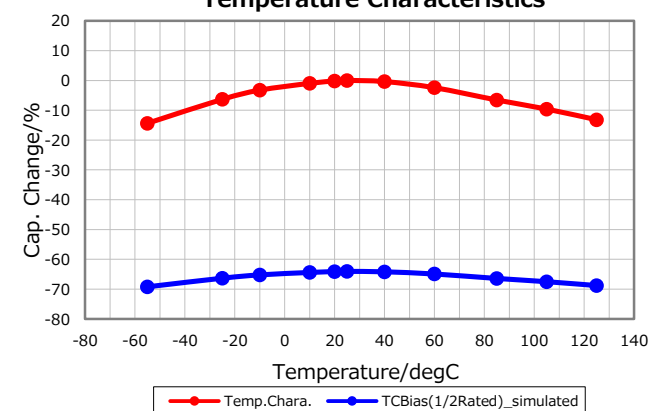
DC Bias Characteristic



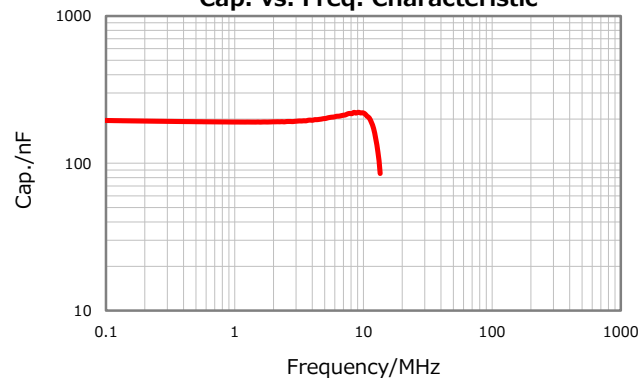
|Z|, ESR vs. Freq. Characteristics (Simulation data)



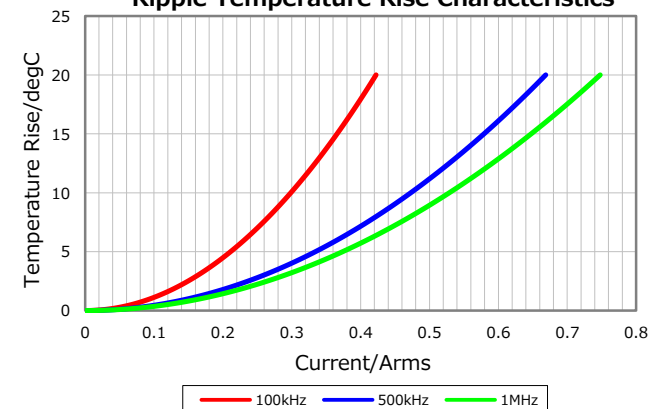
Temperature Characteristics



Cap. vs. Freq. Characteristic



Ripple Temperature Rise Characteristics



All specifications are subject to change without notice.

January 10, 2021