

C2012X8R1E105M125AE

TDK Item Description : C2012X8R1E105MT***S



Application & Main Feature

Commercial Grade (Soft Termination)

Series

C2012 [EIA 0805]

Dimensions

L	2.00mm +0.45,-0.2mm
W	1.25mm +0.25,-0.2mm
T	1.25mm +0.25,-0.2mm
B	0.20mm Min.
G	0.50mm Min.

Temperature Characteristic

X8R (-55 to 150 degC $\pm 15\%$)

Rated Voltage

1E (25Vdc)

Capacitance

1 μ F

Capacitance Tolerance

M ($\pm 20\%$)

Dissipation Factor

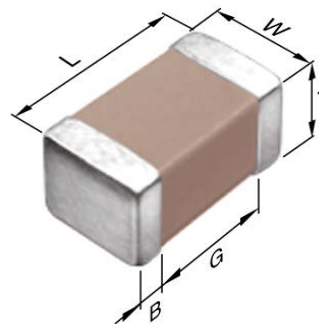
5% Max.

Insulation Resistance

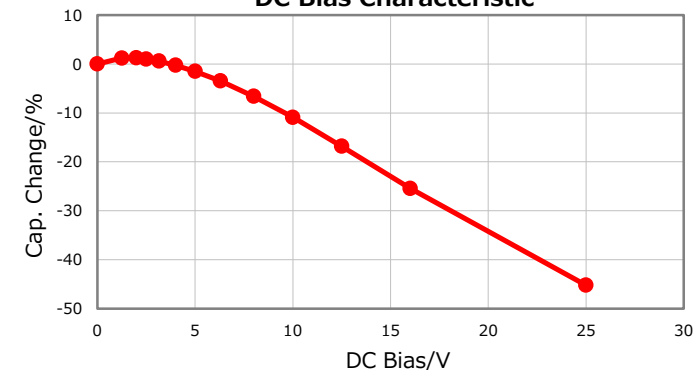
500Mohm Min.

AEC-Q200

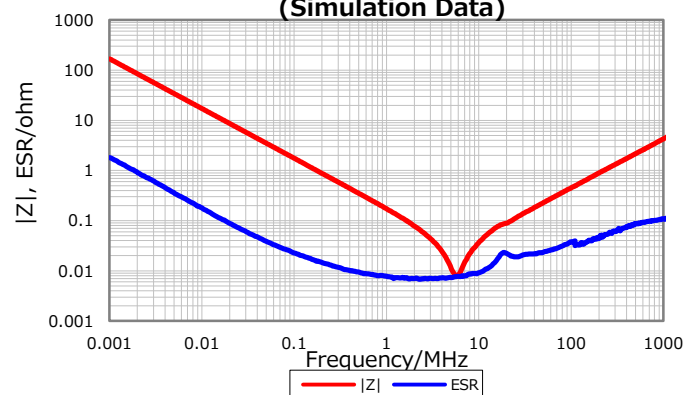
Not Applicable



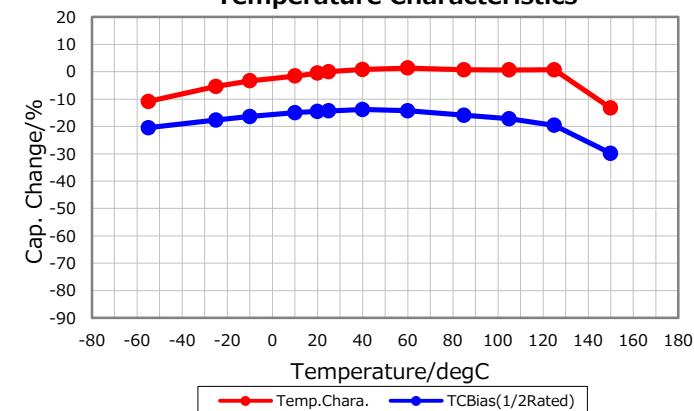
DC Bias Characteristic



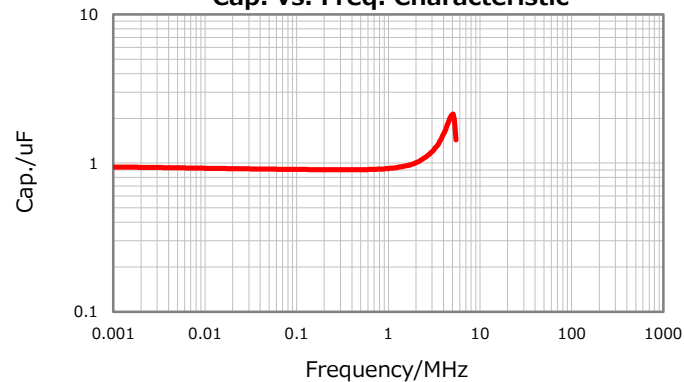
$|Z|$, ESR vs. Freq. Characteristics (Simulation Data)



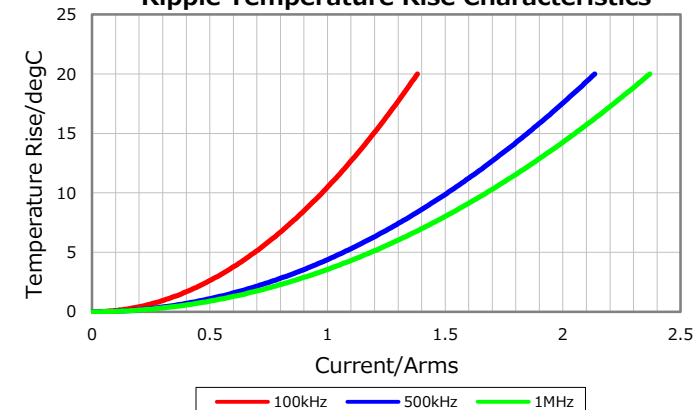
Temperature Characteristics



Cap. vs. Freq. Characteristic



Ripple Temperature Rise Characteristics



All specifications are subject to change without notice.

July 24, 2018