

C2012X7S1E106K125AE

TDK Item Description : C2012X7S1E106KT***S



Application & Main Feature

Commercial Grade(Up to 50V)

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

X7S (-55 to 125 degC +/-22%)

Rated Voltage

1E(25Vdc)

Capacitance

10uF

Capacitance Tolerance

K (±10%)

Dissipation Factor

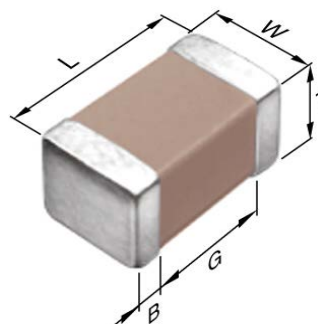
7.5% Max.

Insulation Resistance

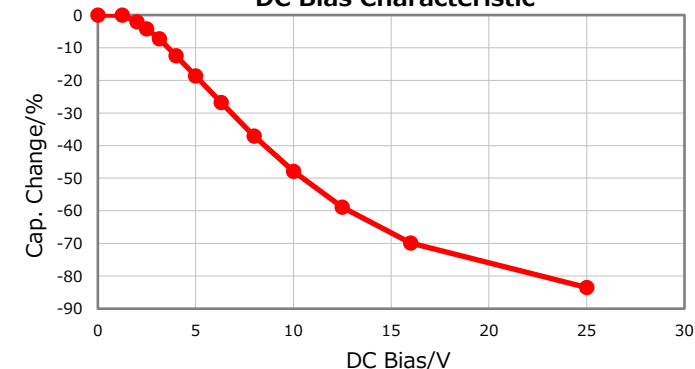
50Mohm Min.

AEC-Q200

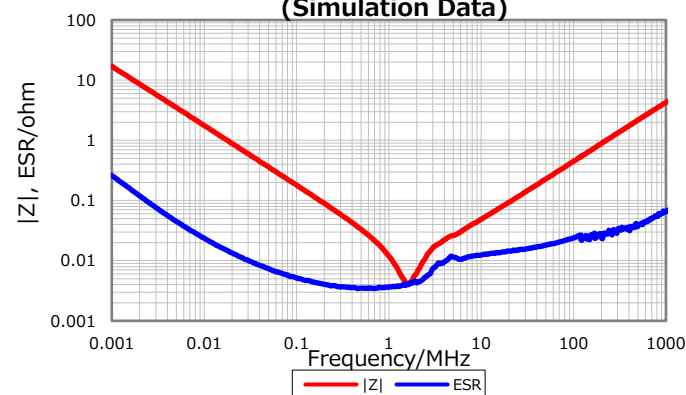
Not Applicable



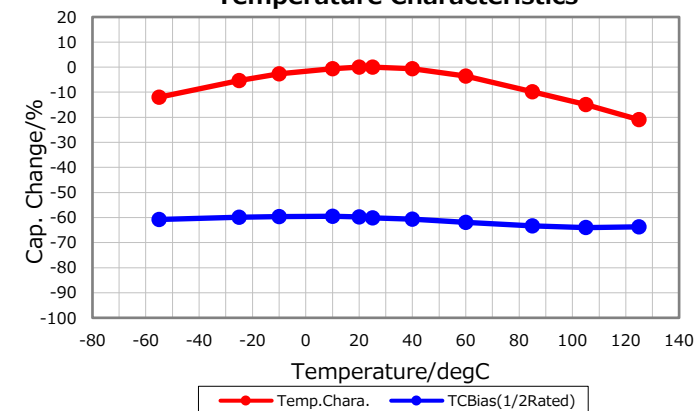
DC Bias Characteristic



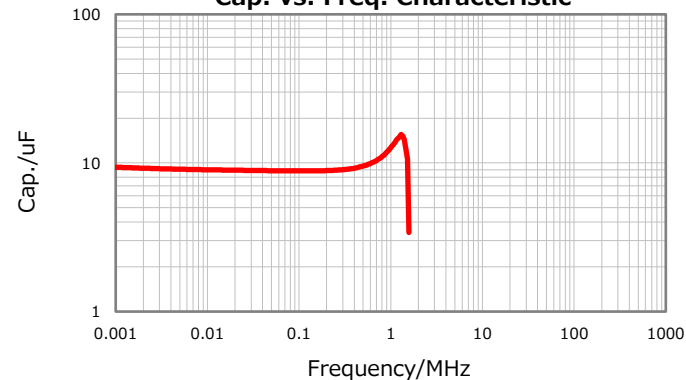
|Z|, ESR vs. Freq. Characteristics (Simulation Data)



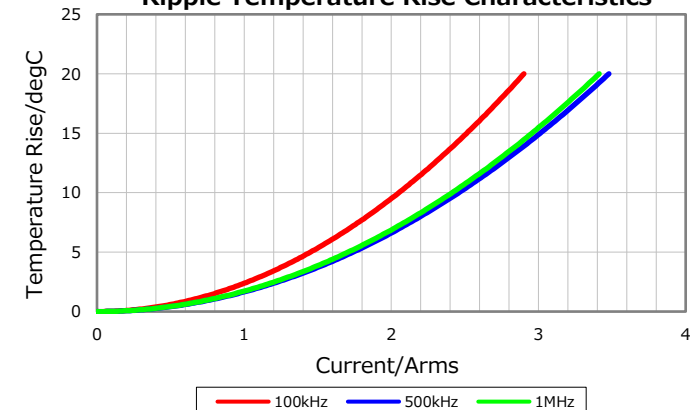
Temperature Characteristics



Cap. vs. Freq. Characteristic



Ripple Temperature Rise Characteristics



All specifications are subject to change without notice.

November 13, 2018