

CGA2B1X7S1C474M050BE

TDK item description : CGA2B1X7S1C474MT***S



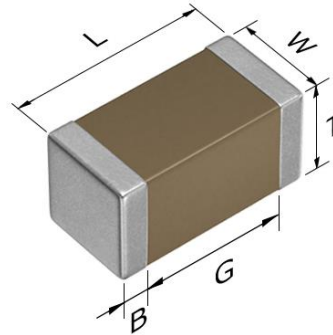
Equivalent C1005X7S1C474M for Automotive

Application & Main Feature

Automotive grade (Soft termination)

Series

CGA2(1005) [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

X7S (-55 to +125 degC, $\pm 22\%$)

Rated Voltage

1C (16Vdc)

Capacitance

470nF

Capacitance Tolerance

M ($\pm 20\%$)

DF

7.5 % max.

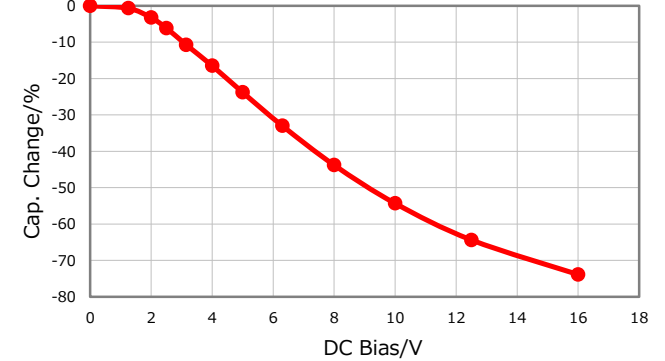
Insulation Resistance

212 Mohm min.

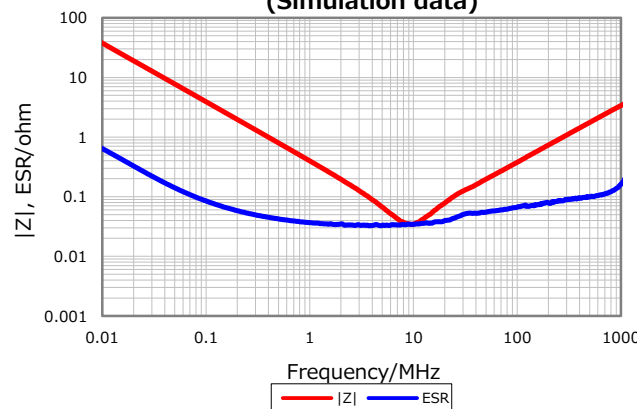
AEC-Q200

Yes

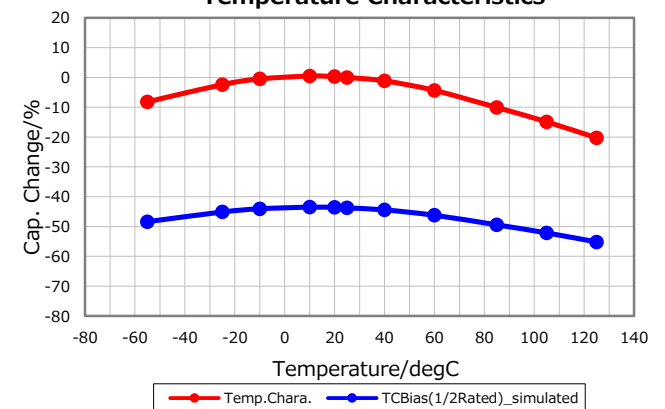
DC Bias Characteristic



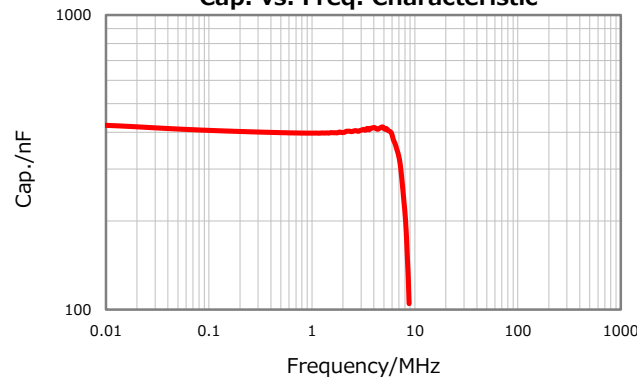
|Z|, ESR vs. Freq. Characteristics (Simulation data)



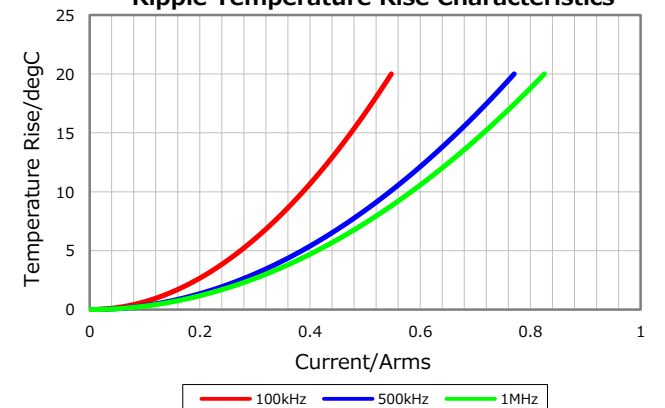
Temperature Characteristics



Cap. vs. Freq. Characteristic



Ripple Temperature Rise Characteristics



All specifications are subject to change without notice.

January 5, 2021