

CGA2B2X7R1H102K050BA

TDK Item Description : CGA2B2X7R1H102KT****



Equivalent C1005X7R1H102K for Automotive

Application & Main Feature

Automotive Grade (General (Up to 50V))

Series

CGA2(1005) [EIA CC0402]



Dimensions

L 1.00mm +/-0.05mm
 W 0.50mm +/-0.05mm
 T 0.50mm +/-0.05mm
 B 0.10mm Min.
 G 0.30mm Min.

Temperature Characteristic

X7R (-55 to 125 degC +/-15%)

Rated Voltage

1H (50Vdc)

Capacitance

1nF

Capacitance Tolerance

K (+/-10%)

Dissipation Factor

3% Max.

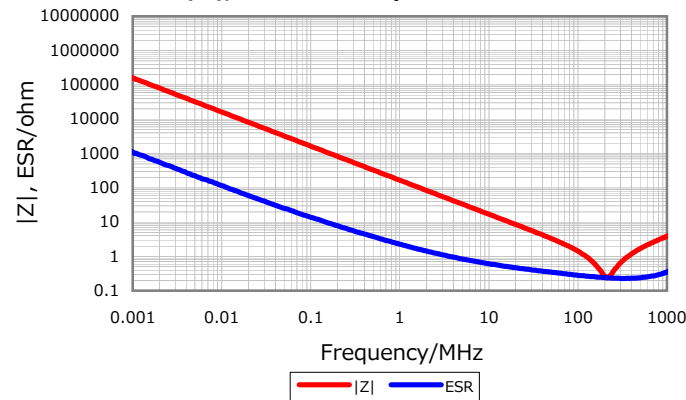
Insulation Resistance

10Gohm Min.

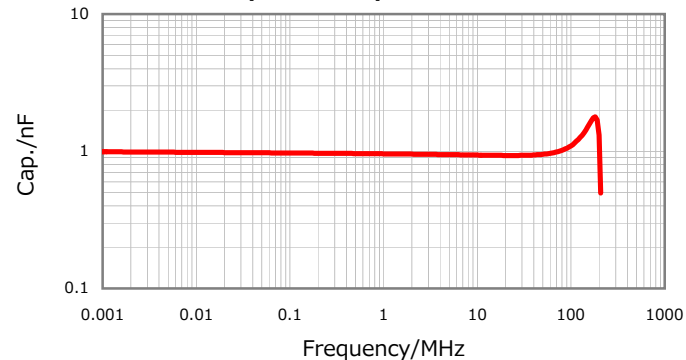
AEC-Q200

Yes

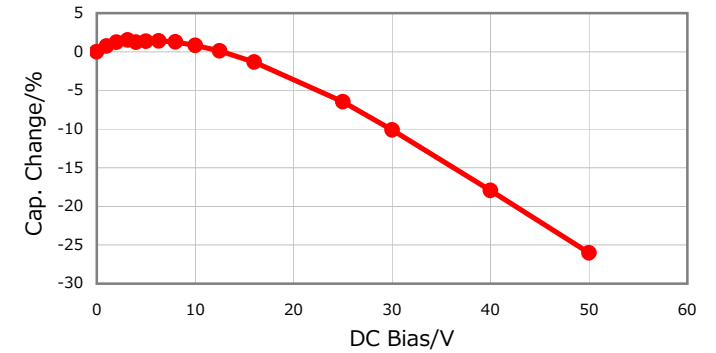
|Z|, ESR vs. Freq. Characteristics



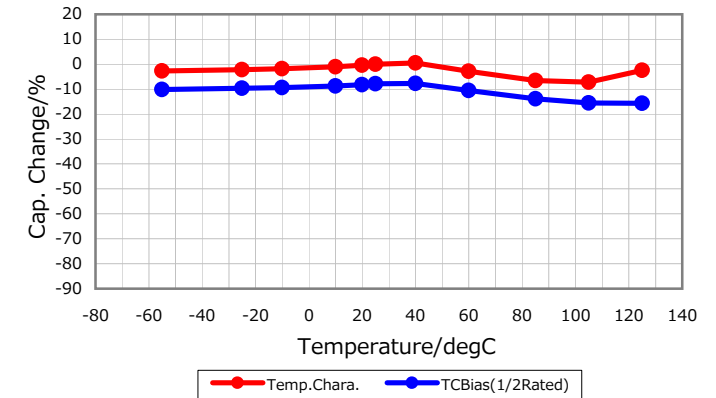
Cap. vs. Freq. Characteristic



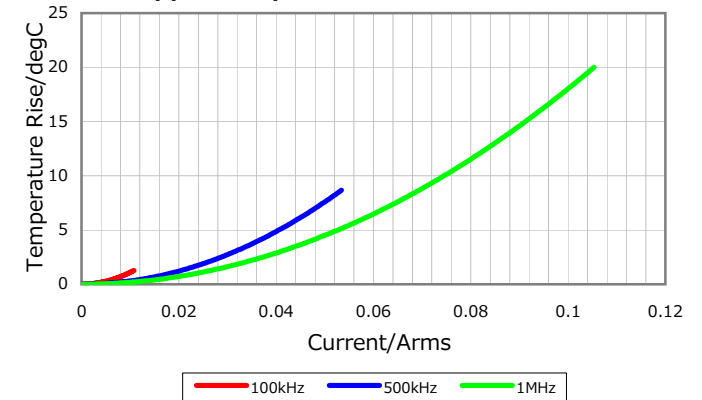
DC Bias Characteristic



Temperature Characteristics



Ripple Temperature Rise Characteristics



Characterization Sheet (Multilayer Ceramic Chip Capacitors)



All specifications are subject to change without notice.

January 4, 2016