

CGA2B2X8R1H102K050BD

TDK Item Description : CGA2B2X8R1H102KT***B



Equivalent C1005X8R1H102K for Automotive

Application & Main Feature

Automotive Grade (Conductive Epoxy Application)

Series

CGA2(1005) [EIA CC0402]



Dimensions

L 1.00mm +/-0.15mm
 W 0.50mm +/-0.1mm
 T 0.50mm +/-0.1mm
 B 0.10mm Min.
 G 0.30mm Min.

Temperature Characteristic

X8R (-55 to 150 degC +/-15%)

Rated Voltage

1H (50Vdc)

Capacitance

1nF

Capacitance Tolerance

K (+/-10%)

Dissipation Factor

3% Max.

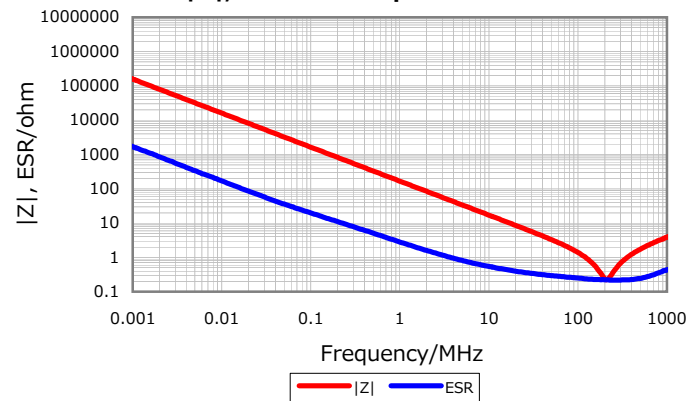
Insulation Resistance

10Gohm Min.

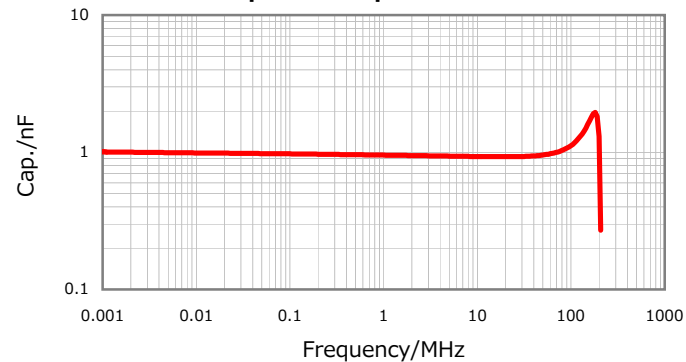
AEC-Q200

Yes

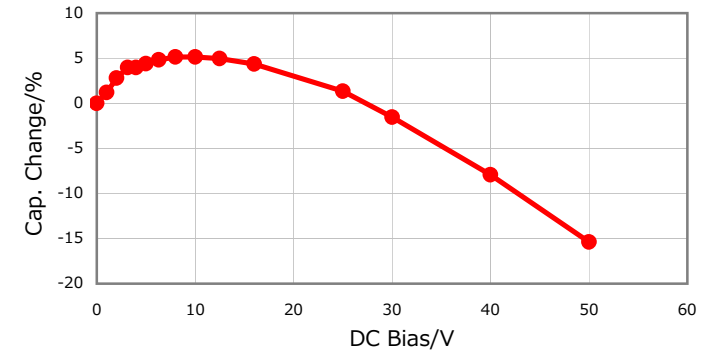
|Z|, ESR vs. Freq. Characteristics



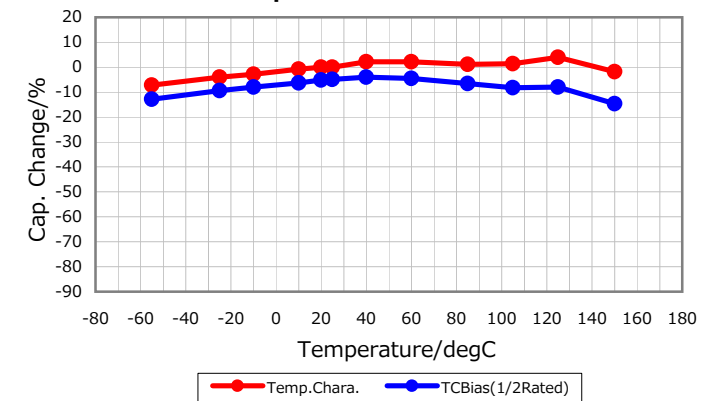
Cap. vs. Freq. Characteristic



DC Bias Characteristic



Temperature Characteristics



Ripple Temperature Rise Characteristics

