

CGA2B2X8R1H102M050BD

TDK Item Description : CGA2B2X8R1H102MT***B



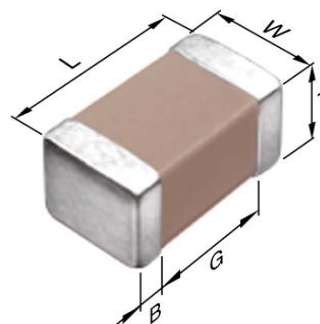
Equivalent C1005X8R1H102M for Automotive

Application & Main Feature

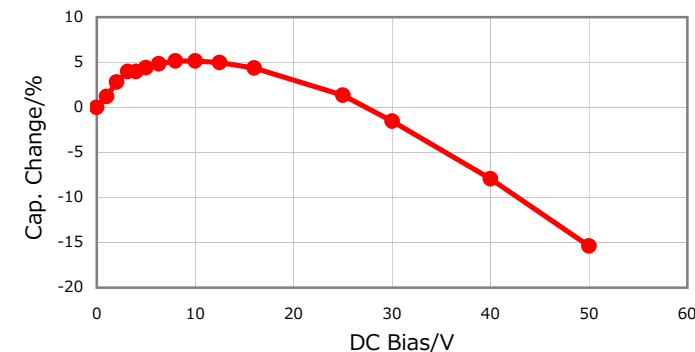
Automotive Grade (Conductive Epoxy Application)

Series

CGA2(1005) [EIA CC0402]



DC Bias Characteristic



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

M (+/-20%)

Dissipation Factor

3% Max.

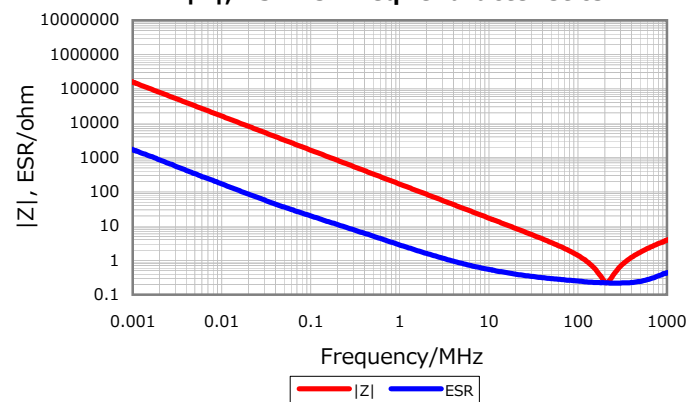
Insulation Resistance

10Gohm Min.

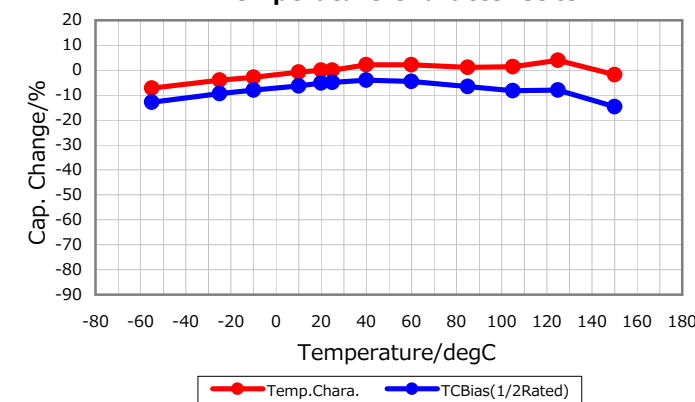
AEC-Q200

Yes

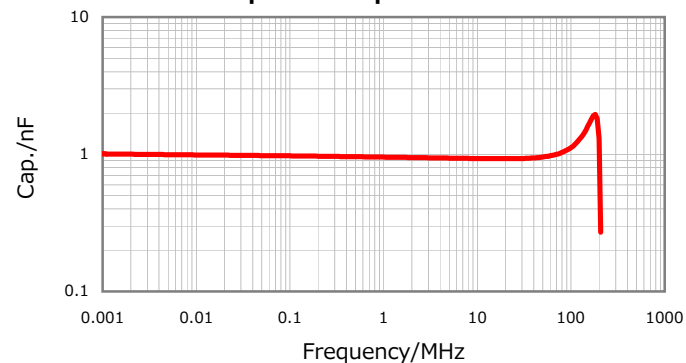
|Z|, ESR vs. Freq. Characteristics



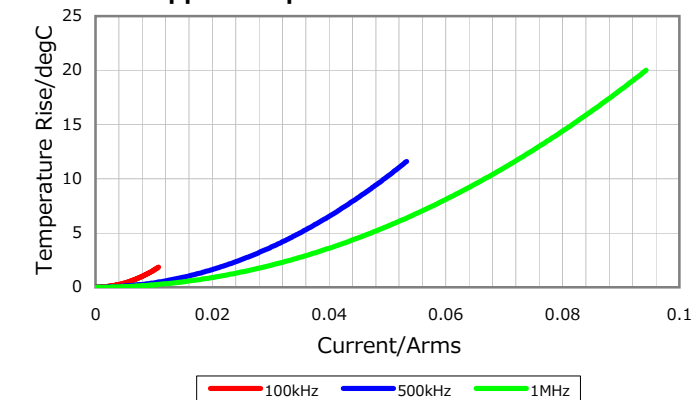
Temperature Characteristics



Cap. vs. Freq. Characteristic



Ripple Temperature Rise Characteristics



All specifications are subject to change without notice.

January 4, 2016