

CGA2B2X7R1H102M050BA

TDK Item Description : CGA2B2X7R1H102MT****



Equivalent C1005X7R1H102M 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

M (+/-20%)

Dissipation Factor

3% Max.

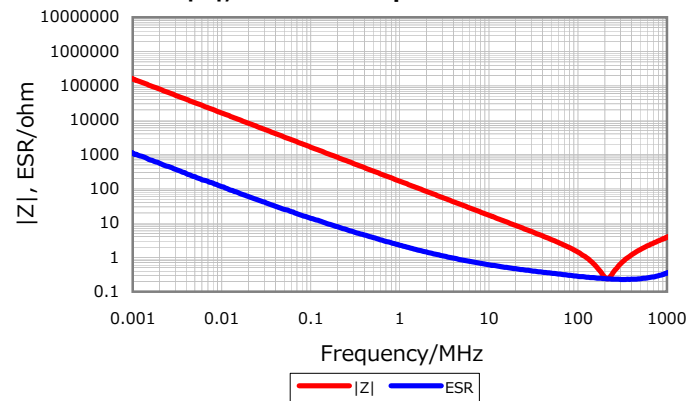
Insulation Resistance

10Gohm Min.

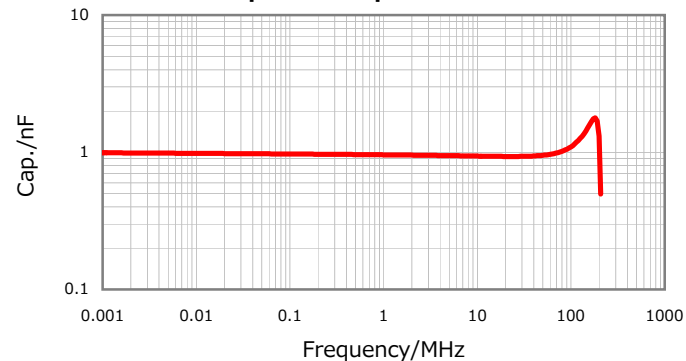
AEC-Q200

Yes

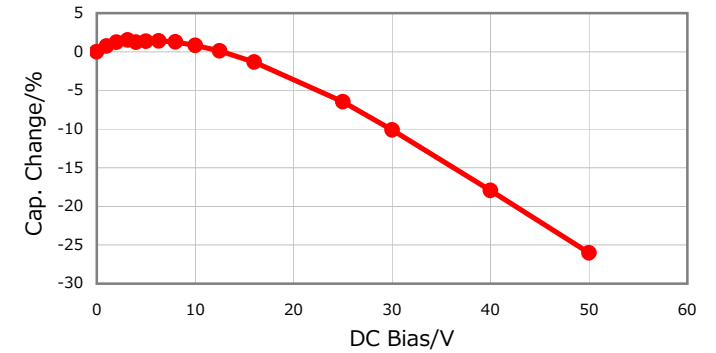
|Z|, ESR vs. Freq. Characteristics



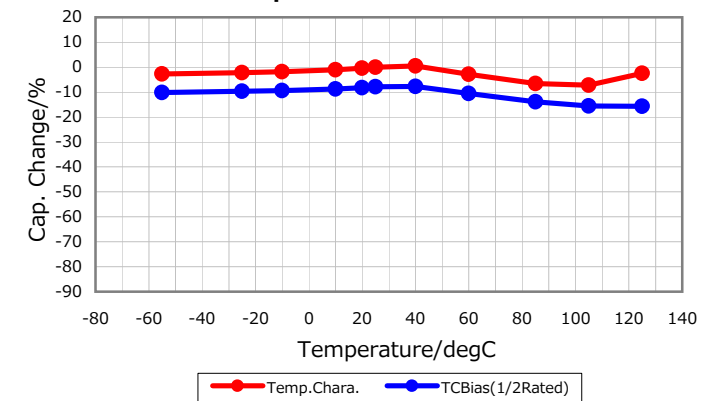
Cap. vs. Freq. Characteristic



DC Bias Characteristic



Temperature Characteristics



Ripple Temperature Rise Characteristics

