

CGA2B3X7R1H103K050BD

TDK Item Description : CGA2B3X7R1H103KT***B



Equivalent C1005X7R1H103K 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

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

Rated Voltage

1H (50Vdc)

Capacitance

10nF

Capacitance Tolerance

K (+/-10%)

Dissipation Factor

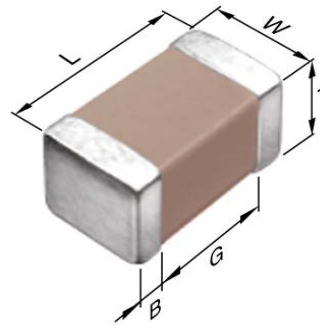
5% Max.

Insulation Resistance

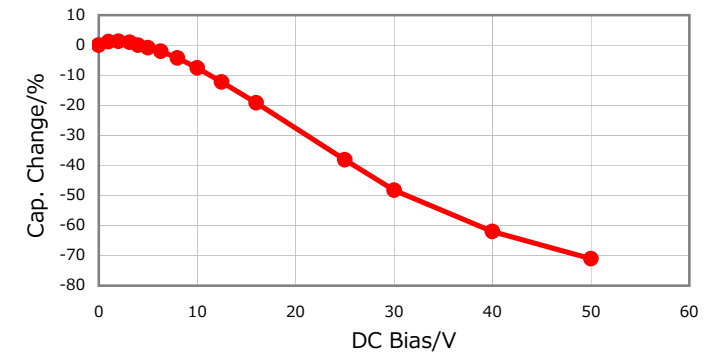
10Gohm Min.

AEC-Q200

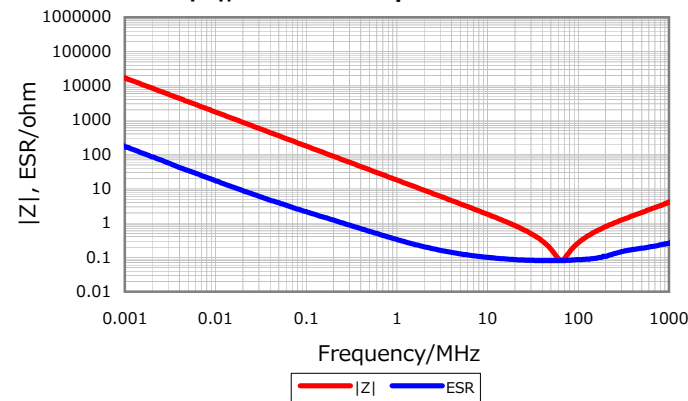
Yes



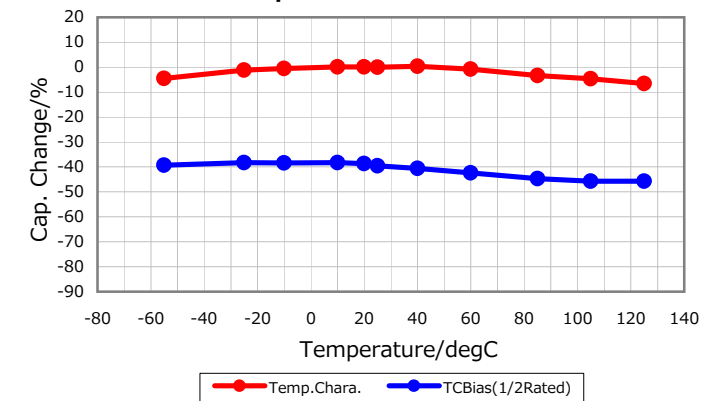
DC Bias Characteristic



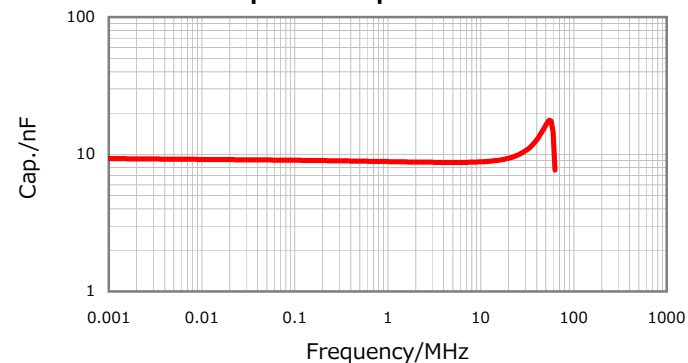
|Z|, ESR vs. Freq. Characteristics



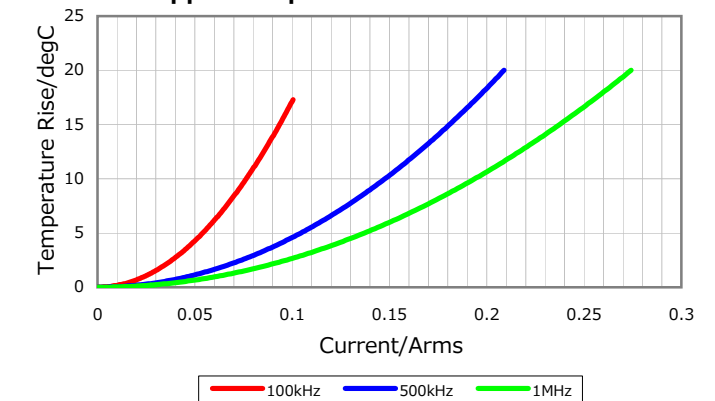
Temperature Characteristics



Cap. vs. Freq. Characteristic



Ripple Temperature Rise Characteristics



All specifications are subject to change without notice.

January 4, 2016