

CGA3E2X7R1H102K080AD

TDK Item Description : CGA3E2X7R1H102KT***B



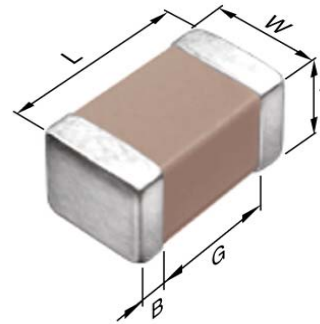
Equivalent C1608X7R1H102K for Automotive

Application & Main Feature

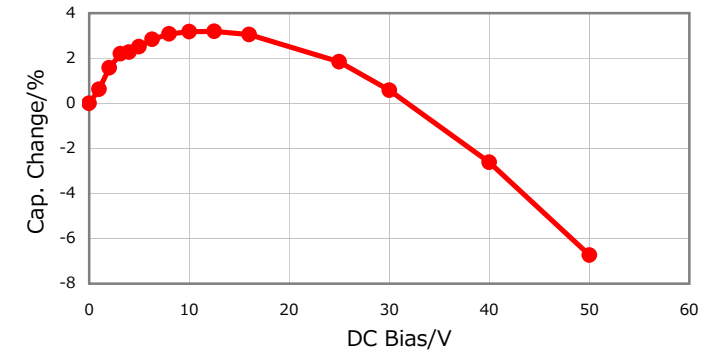
Automotive Grade (Conductive Epoxy Application)

Series

CGA3(1608) [EIA CC0603]



DC Bias Characteristic



Dimensions

L 1.60mm +/-0.15mm
W 0.80mm +/-0.15mm
T 0.80mm +/-0.15mm
B 0.20mm 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.

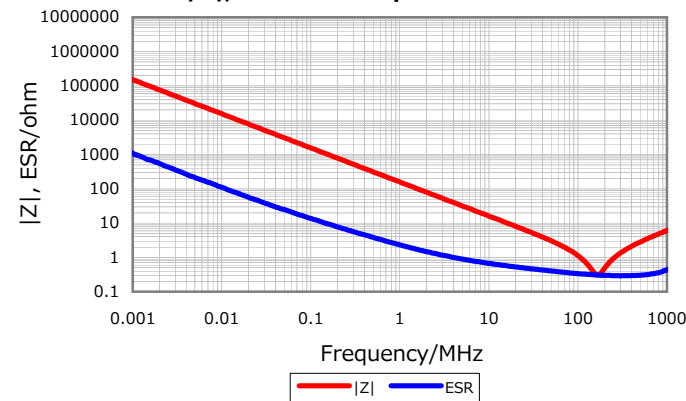
Insulation Resistance

10Gohm Min.

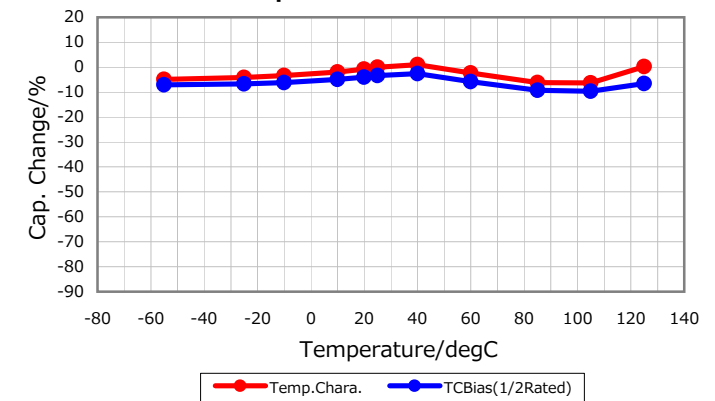
AEC-Q200

Yes

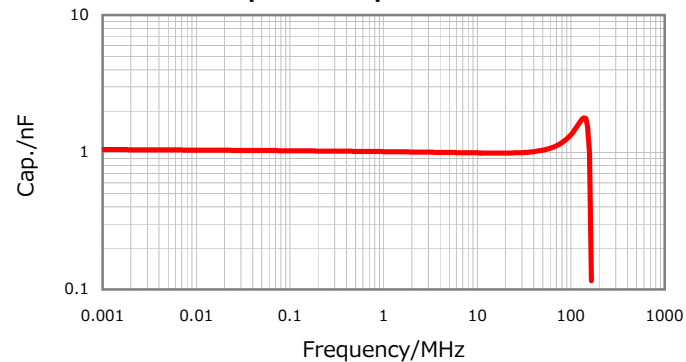
|Z|, ESR vs. Freq. Characteristics



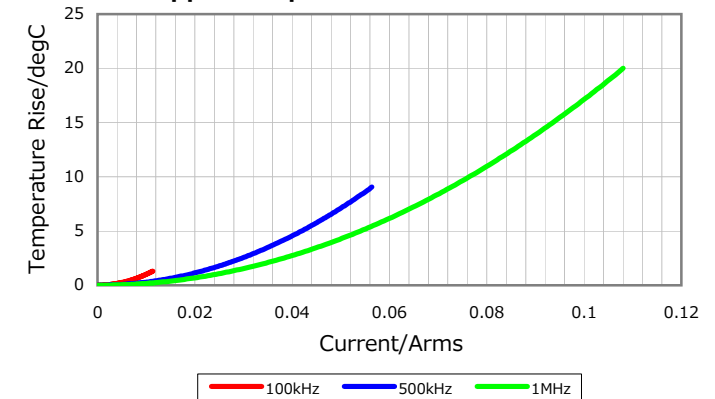
Temperature Characteristic



Cap. vs. Freq. Characteristic



Ripple Temperature Rise Characteristic



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