

CGA3E2X7R1C224K080AD

TDK Item Description : CGA3E2X7R1C224KT***B



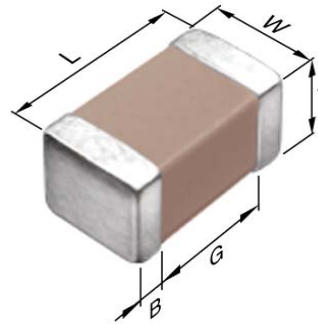
Equivalent C1608X7R1C224K for Automotive

Application & Main Feature

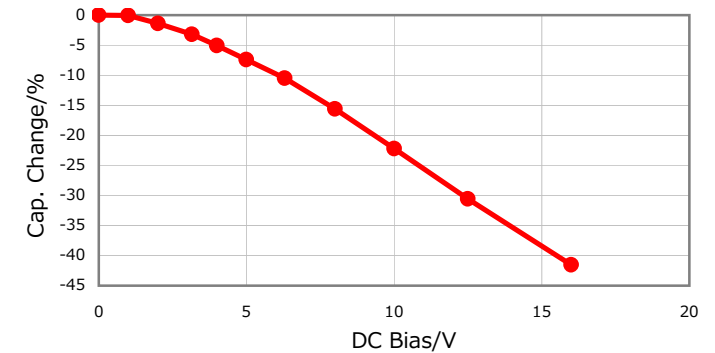
Automotive Grade (Conductive Epoxy Application)

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

1C (16Vdc)

Capacitance

220nF

Capacitance Tolerance

K (+/-10%)

Dissipation Factor

5% Max.

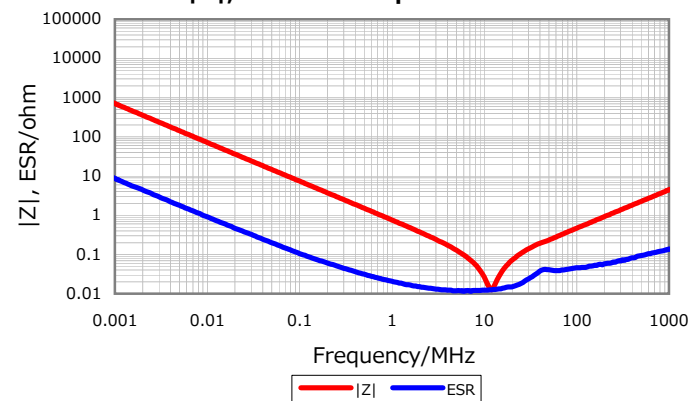
Insulation Resistance

454Mohm Min.

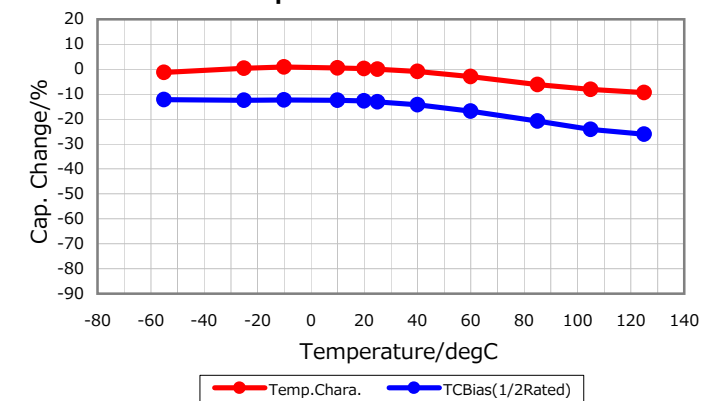
AEC-Q200

Yes

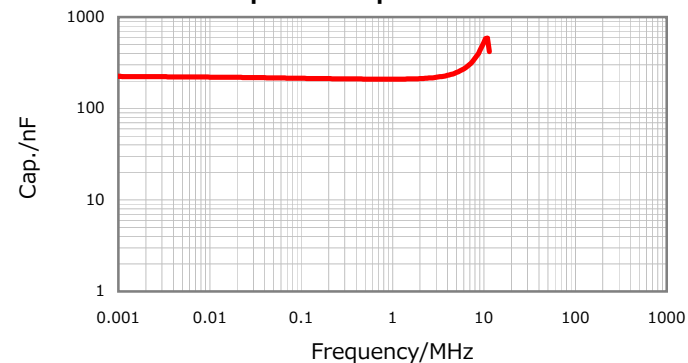
|Z|, ESR vs. Freq. Characteristics



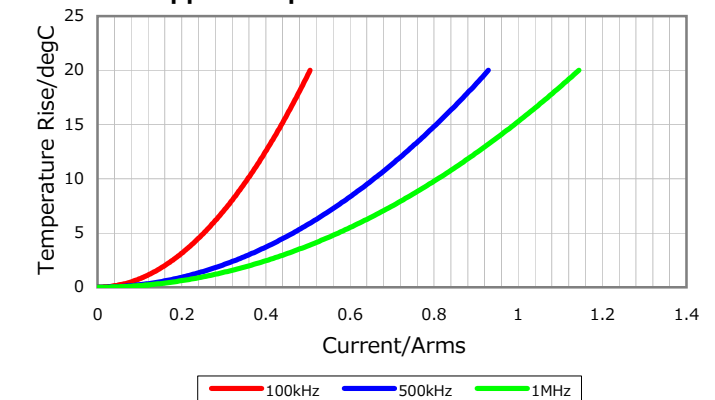
Temperature Characteristics



Cap. vs. Freq. Characteristic



Ripple Temperature Rise Characteristics



All specifications are subject to change without notice.

January 4, 2016