

CGA3E2X8R1H682M080AD

TDK Item Description : CGA3E2X8R1H682MT***B



Equivalent C1608X8R1H682M for Automotive

Application & Main Feature

Automotive Grade (Conductive Epoxy Application)

Series

CGA3(1608) [EIA CC0603]



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

X8R (-55 to 150 degC +/-15%)

Rated Voltage

1H (50Vdc)

Capacitance

6.8nF

Capacitance Tolerance

M (+/-20%)

Dissipation Factor

3% Max.

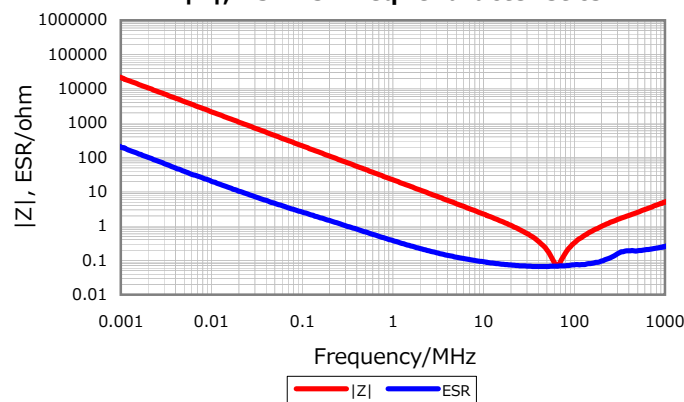
Insulation Resistance

10Gohm Min.

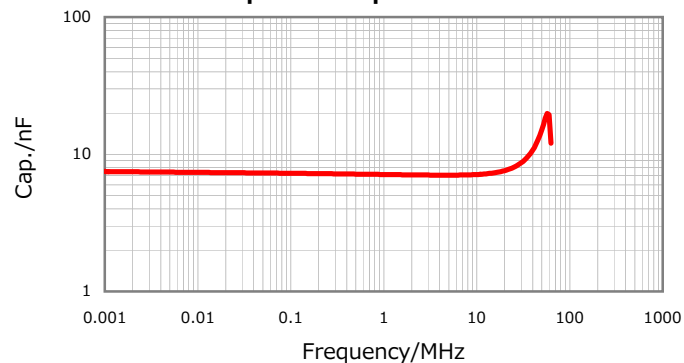
AEC-Q200

Yes

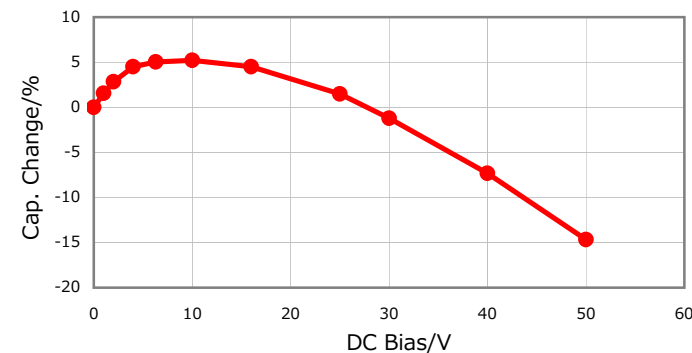
|Z|, ESR vs. Freq. Characteristics



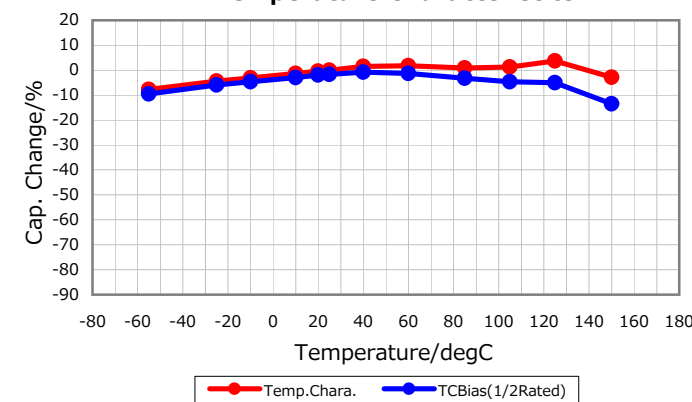
Cap. vs. Freq. Characteristic



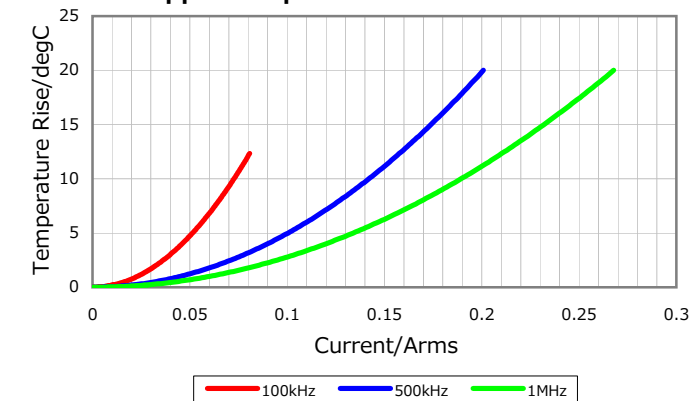
DC Bias Characteristic



Temperature Characteristics



Ripple Temperature Rise Characteristics



Characterization Sheet (Multilayer Ceramic Chip Capacitors)



All specifications are subject to change without notice.

January 4, 2016