

CGA3E3X7R1V224M080AE

TDK Item Description : CGA3E3X7R1V224MT***S



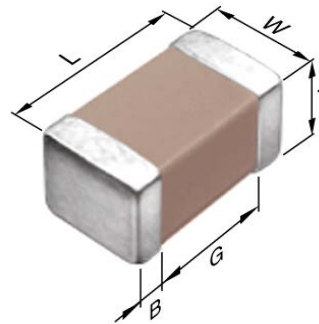
Equivalent C1608X7R1V224M for Automotive

Application & Main Feature

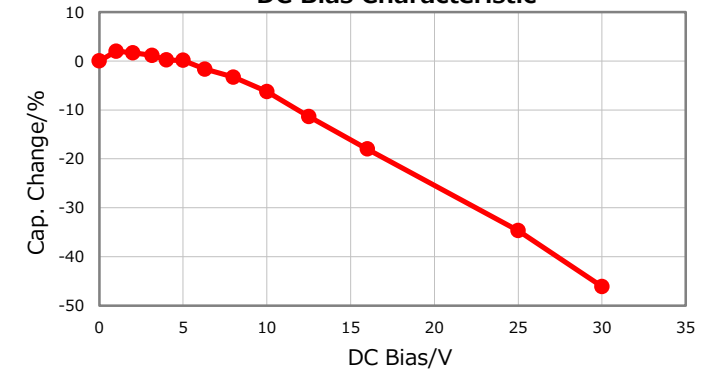
Automotive Grade (Soft Termination)

Series

CGA3(1608) [EIA CC0603]



DC Bias Characteristic



Dimensions

L	1.60mm +0.2,-0.1mm
W	0.80mm +0.15,-0.1mm
T	0.80mm +0.15,-0.1mm
B	0.20mm Min.
G	0.30mm Min.

Temperature Characteristic

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

Rated Voltage

1V (35Vdc)

Capacitance

220nF

Capacitance Tolerance

M (+/-20%)

Dissipation Factor

5% Max.

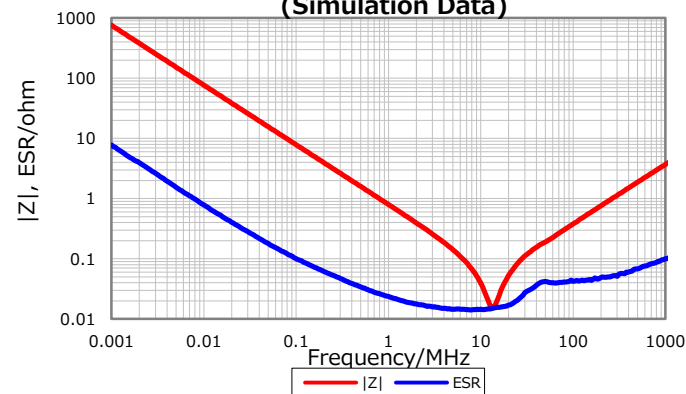
Insulation Resistance

2.272Gohm Min

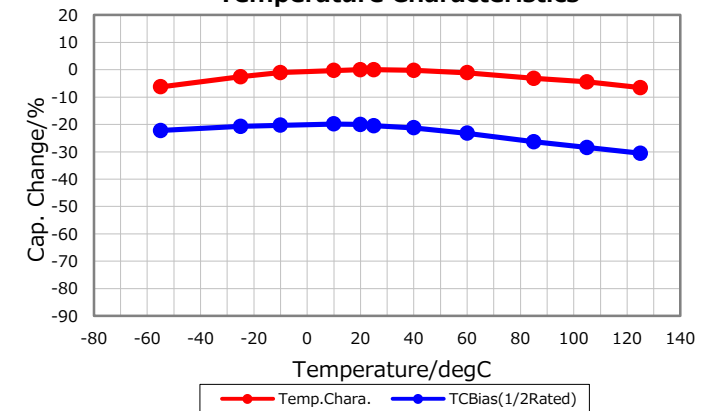
AEC-Q200

Yes

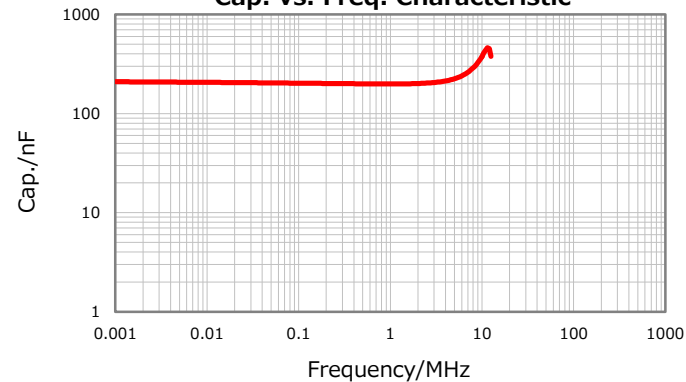
|Z|, ESR vs. Freq. Characteristics (Simulation Data)



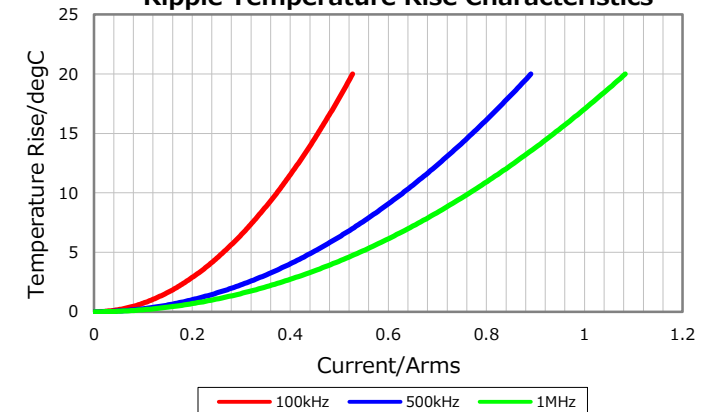
Temperature Characteristics



Cap. vs. Freq. Characteristic



Ripple Temperature Rise Characteristics



All specifications are subject to change without notice.

March 17, 2017