

CGA3E3X7S2A104K080AE

TDK Item Description : CGA3E3X7S2A104KT***S



Equivalent C1608X7S2A104K for Automotive

Application & Main Feature

Automotive Grade (Soft Termination)

Series

CGA3(1608) [EIA CC0603]



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

X7S (-55 to 125 degC +/-22%)

Rated Voltage

2A (100Vdc)

Capacitance

100nF

Capacitance Tolerance

K (+/-10%)

Dissipation Factor

5% Max.

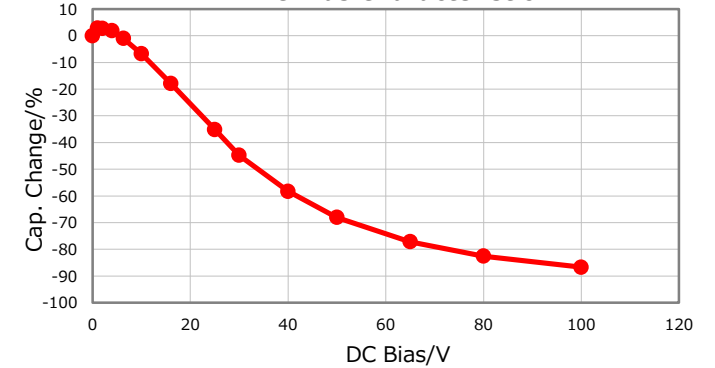
Insulation Resistance

5Gohm Min

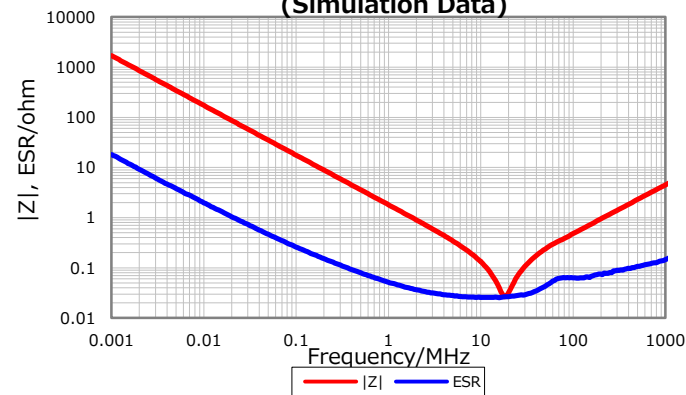
AEC-Q200

Yes

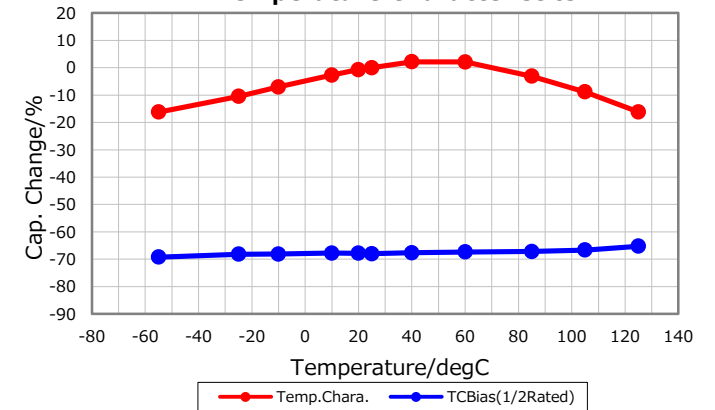
DC Bias Characteristic



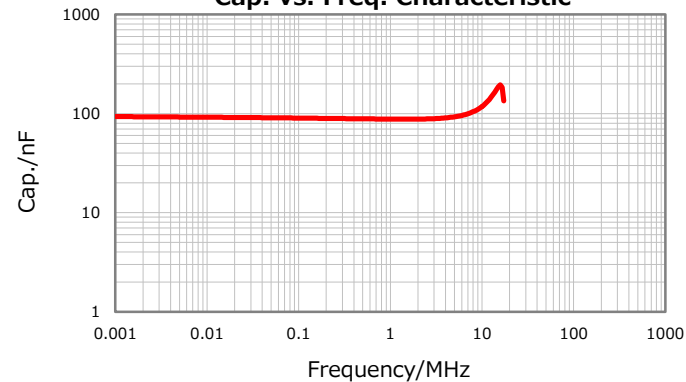
|Z|, ESR vs. Freq. Characteristics (Simulation Data)



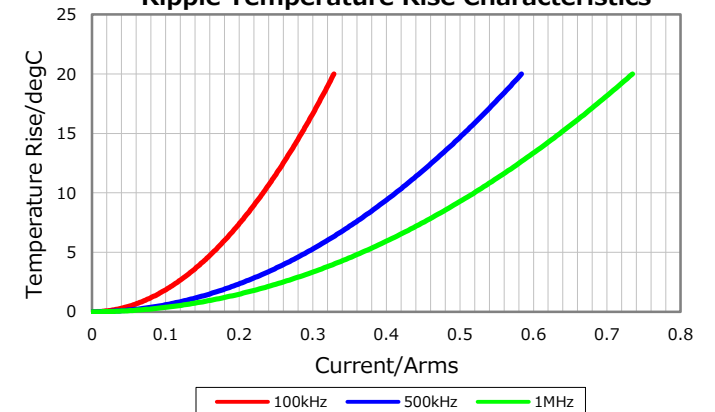
Temperature Characteristics



Cap. vs. Freq. Characteristic



Ripple Temperature Rise Characteristics



Characterization Sheet (Multilayer Ceramic Chip Capacitors)



All specifications are subject to change without notice.

March 17, 2017