

CGA3E3X7S2A683K080AB

TDK Item Description : CGA3E3X7S2A683KT****



Equivalent C1608X7S2A683K for Automotive

Application & Main Feature

Automotive Grade (Mid Voltage (100 to 630V))

Series

CGA3(1608) [EIA CC0603]



Dimensions

- L 1.60mm +/-0.1mm
- W 0.80mm +/-0.1mm
- T 0.80mm +/-0.1mm
- B 0.20mm Min.
- G 0.30mm Min.

Temperature Characteristic

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

Rated Voltage

2A (100Vdc)

Capacitance

68nF

Capacitance Tolerance

K (+/-10%)

Dissipation Factor

5% Max.

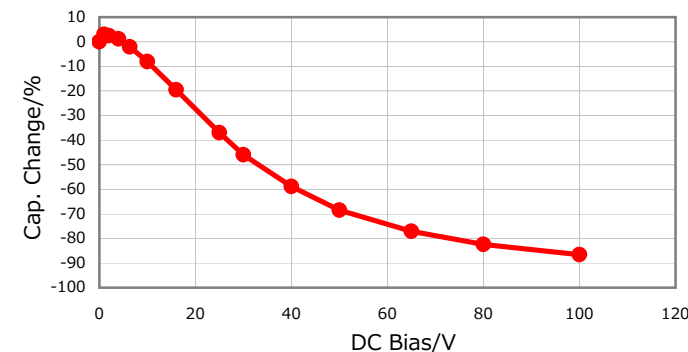
Insulation Resistance

7.35Gohm Min.

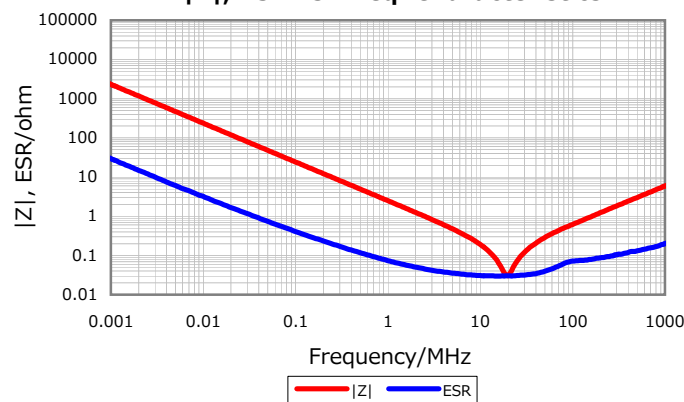
AEC-Q200

Yes

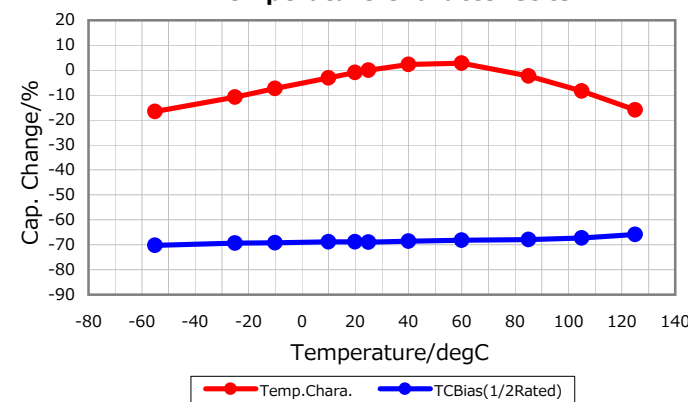
DC Bias Characteristic



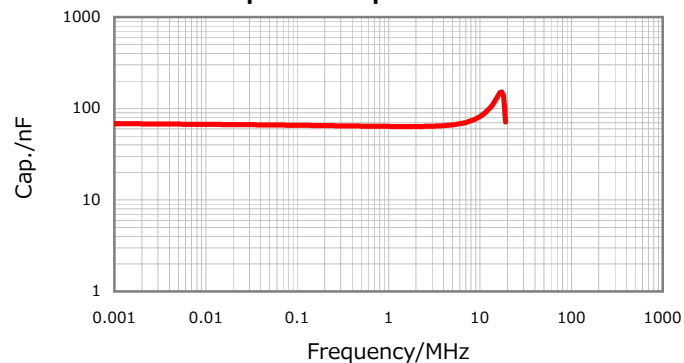
|Z|, ESR vs. Freq. Characteristics



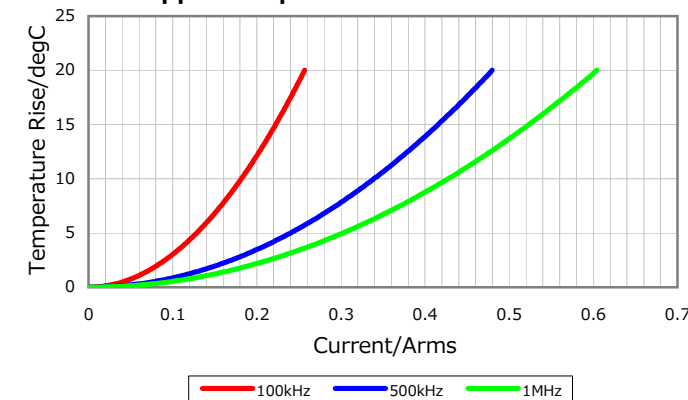
Temperature Characteristics



Cap. vs. Freq. Characteristic



Ripple Temperature Rise Characteristics



Characterization Sheet (Multilayer Ceramic Chip Capacitors)



All specifications are subject to change without notice.

January 4, 2016