

CGA3E2X5R1H683K080AA

TDK Item Description : CGA3E2X5R1H683KT****



Equivalent C1608X5R1H683K for Automotive

Application & Main Feature

Automotive Grade (General (Up to 50V))

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

X5R (-55 to 85 degC +/-15%)

Rated Voltage

1H (50Vdc)

Capacitance

68nF

Capacitance Tolerance

K (+/-10%)

Dissipation Factor

3% Max.

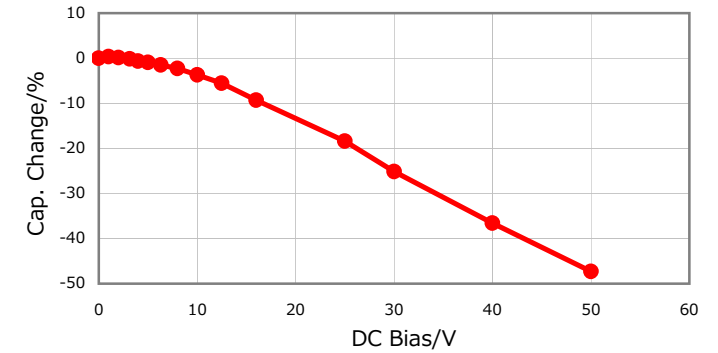
Insulation Resistance

7.35Gohm Min.

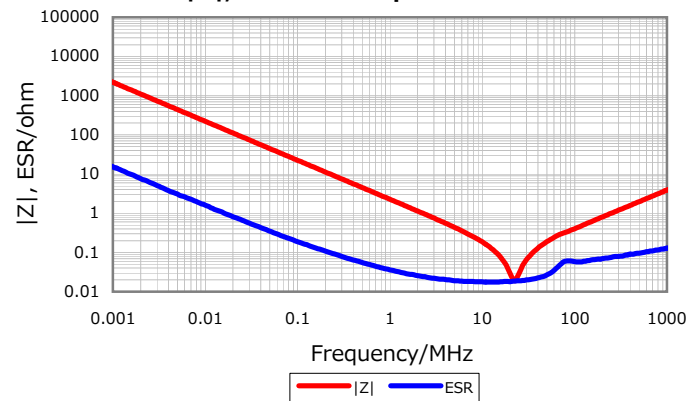
AEC-Q200

Yes

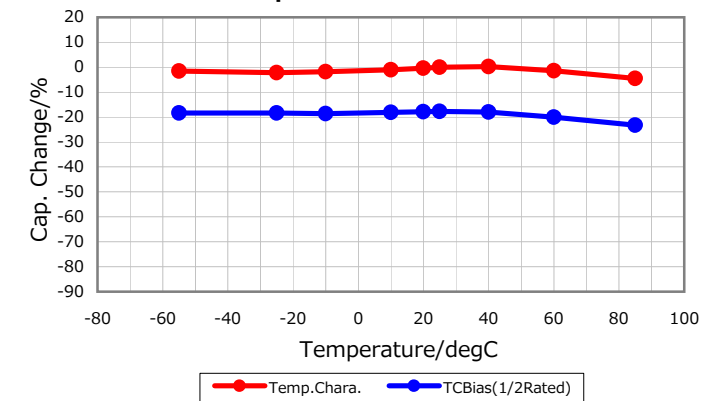
DC Bias Characteristic



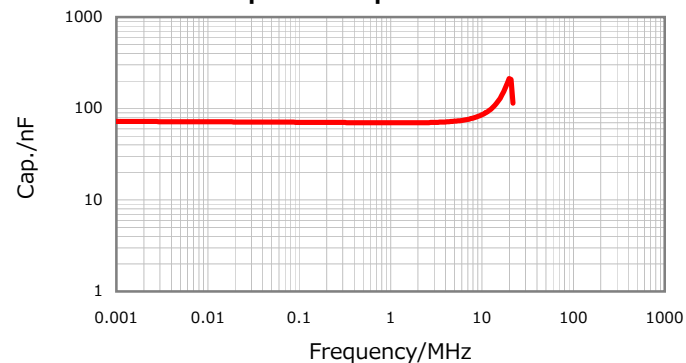
|Z|, ESR vs. Freq. Characteristics



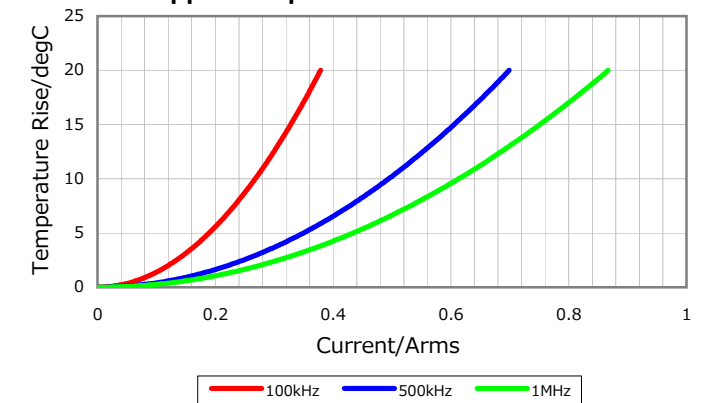
Temperature Characteristics



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