

CGA3E1X8L1C684K080AC

TDK item description : CGA3E1X8L1C684KT****



Equivalent C1608X8L1C684K for Automotive

Application & Main Feature

Automotive grade (General type)

Series

CGA3(1608) [EIA 0603]



Dimensions

L 1.60±0.10 mm
 W 0.80±0.10 mm
 T 0.80±0.10 mm
 B 0.20 mm min.
 G 0.30 mm min.

Temperature Characteristic

X8L (-55 to +150 degC, +15/-40%)

Rated Voltage

1C (16Vdc)

Capacitance

680nF

Capacitance Tolerance

K (±10%)

DF

5 % max.

Insulation Resistance

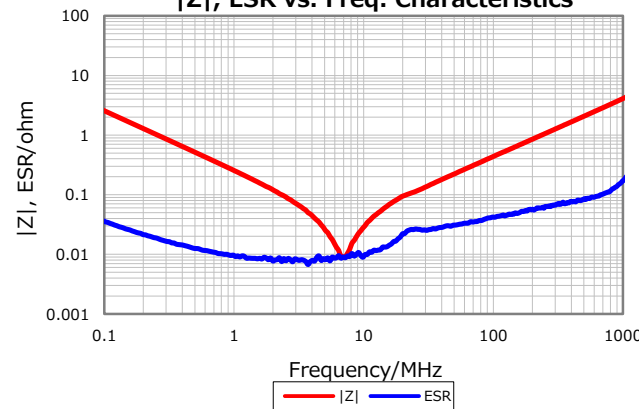
147 Mohm min.

AEC-Q200

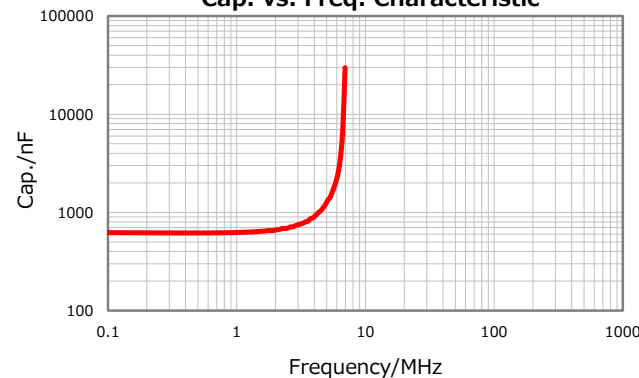
Yes

Characterization Sheet (Multilayer Ceramic Chip Capacitors)

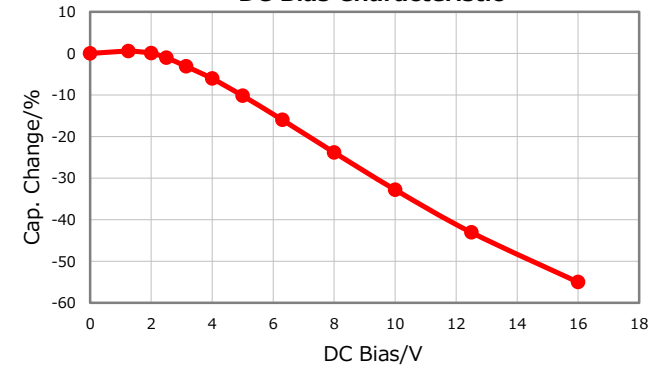
|Z|, ESR vs. Freq. Characteristics



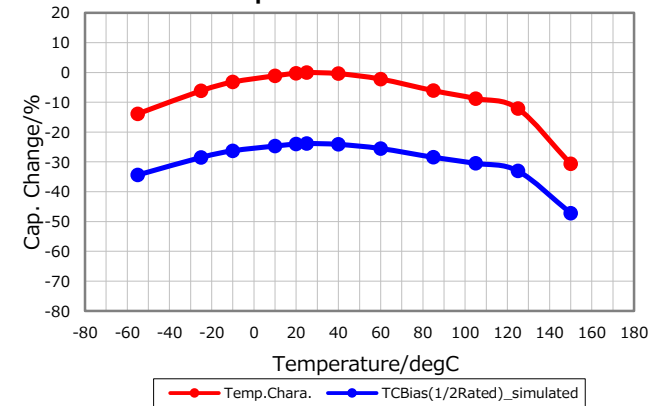
Cap. vs. Freq. Characteristic



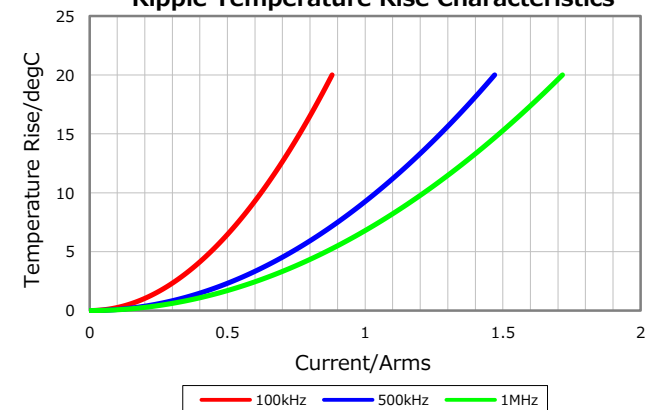
DC Bias Characteristic



Temperature Characteristics



Ripple Temperature Rise Characteristics



⚠ All specifications are subject to change without notice.

January 10, 2021