

CGA3E2X8R1E104K080AA

TDK Item Description : CGA3E2X8R1E104KT****



Equivalent C1608X8R1E104K for Automotive

Application & Main Feature

Automotive Grade (High Temperature Application)

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

X8R (-55 to 150 degC +/-15%)

Rated Voltage

1E (25Vdc)

Capacitance

100nF

Capacitance Tolerance

K (+/-10%)

Dissipation Factor

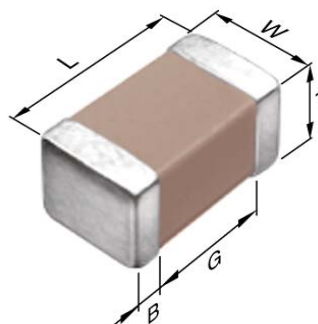
3% Max.

Insulation Resistance

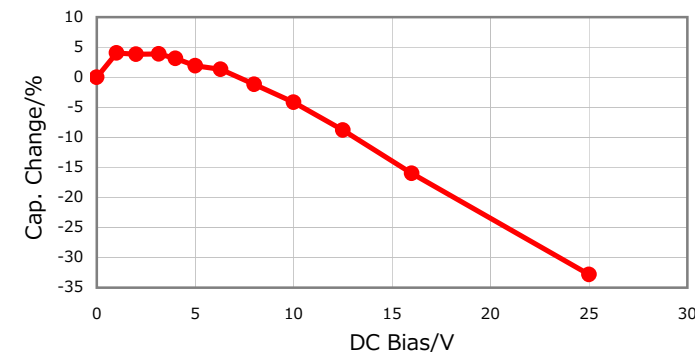
5Gohm Min.

AEC-Q200

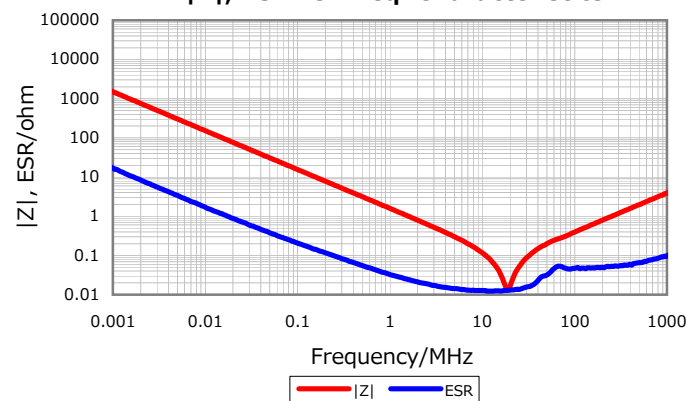
Yes



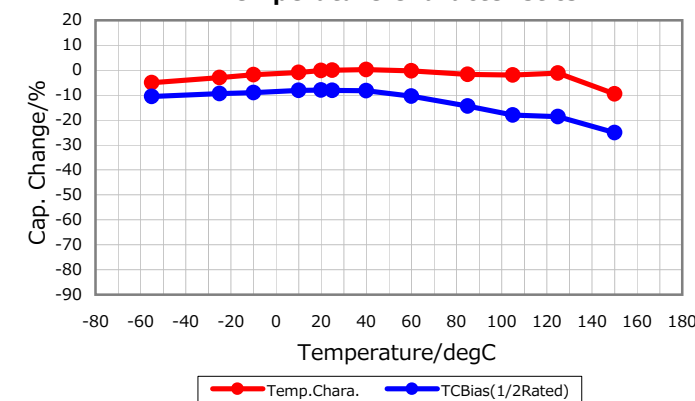
DC Bias Characteristic



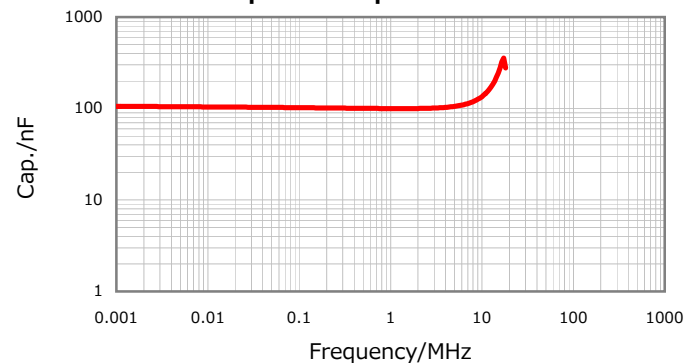
|Z|, ESR vs. Freq. Characteristics



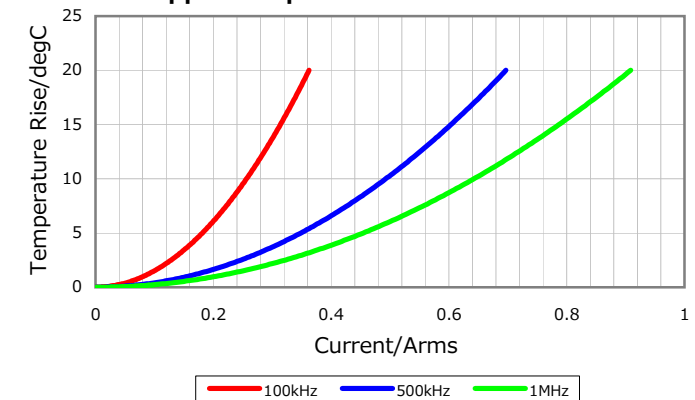
Temperature Characteristics



Cap. vs. Freq. Characteristic



Ripple Temperature Rise Characteristics



All specifications are subject to change without notice.

January 4, 2016