

CGA3E2X7R1H683K080AD

TDK Item Description : CGA3E2X7R1H683KT***B

Equivalent C1608X7R1H683K for Automotive

Application & Main Feature

Automotive Grade (Conduictive Epoxy Application)

Series

CGA3(1608) [EIA CC0603]

Dimensions

L	1.60mm +/-0.15mm
W	0.80mm +/-0.15mm
T	0.80mm +/-0.15mm
B	0.20mm Min.
G	0.30mm Min.

Temperature Characteristic

X7R (-55 to 125 degC +/-15%)

Rated Voltage

1H (50Vdc)

Capacitance

68nF

Capacitance Tolerance

K (+/-10%)

Dissipation Factor

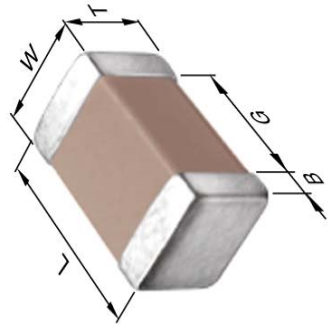
3% Max.

Insulation Resistance

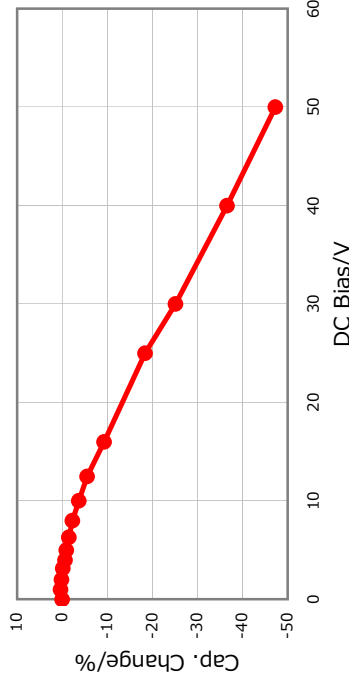
7.35Gohm Min.

AEC-Q200

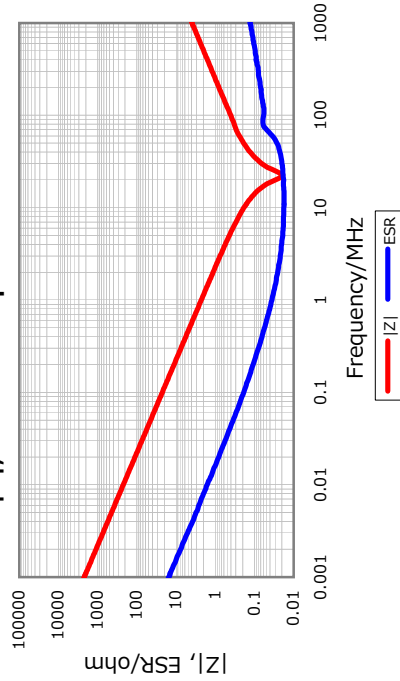
Yes



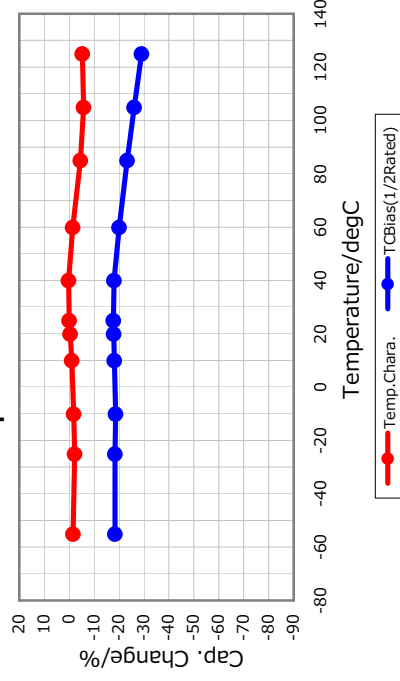
DC Bias Characteristic



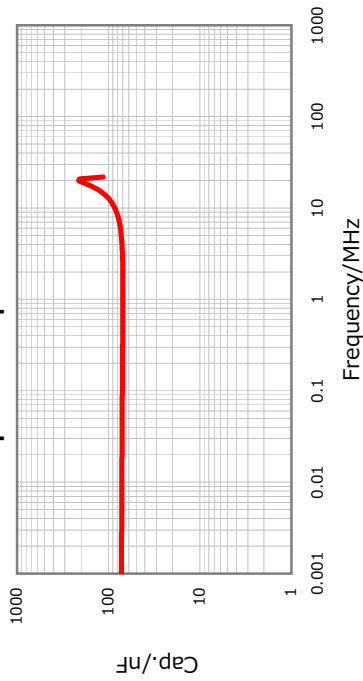
|Z|, ESR vs. Freq. Characteristics



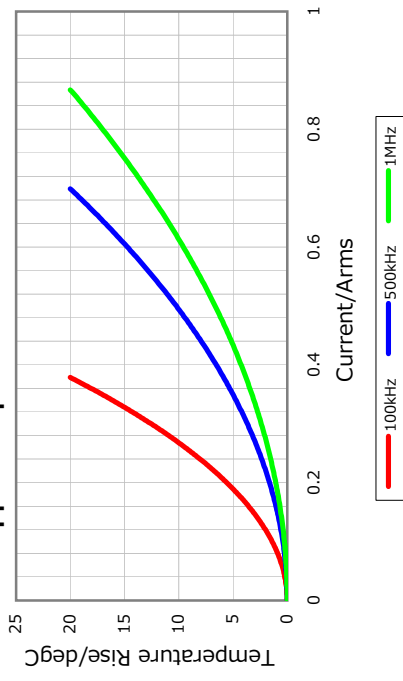
Temperature Characteristics



Cap. vs. Freq. Characteristic



Ripple Temperature Rise Characteristics



All specifications are subject to change without notice.

January 4, 2016