

CGA3E3X7R1V224K080AE

TDK item description : CGA3E3X7R1V224KT***S



Equivalent C1608X7R1V224K for Automotive

Application & Main Feature

Automotive grade (Soft termination)

Series

CGA3(1608) [EIA 0603]

Dimensions

L	1.60+0.20/-0.10 mm
W	0.80+0.15/-0.10 mm
T	0.80+0.10/-0.10 mm
B	0.20 mm min.
G	0.30 mm min.

Temperature Characteristic

X7R (-55 to +125 degC, ±15%)

Rated Voltage

1V (35Vdc)

Capacitance

220nF

Capacitance Tolerance

K (±10%)

Dissipation Factor

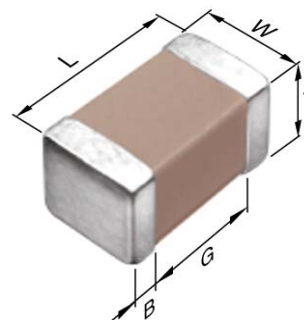
5 % max.

Insulation Resistance

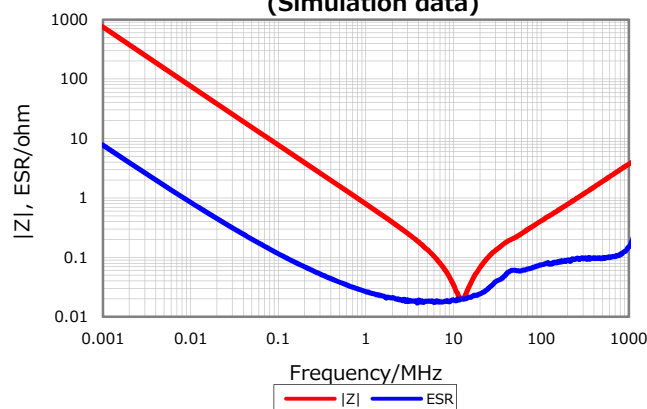
2272 Mohm min.

AEC-Q200

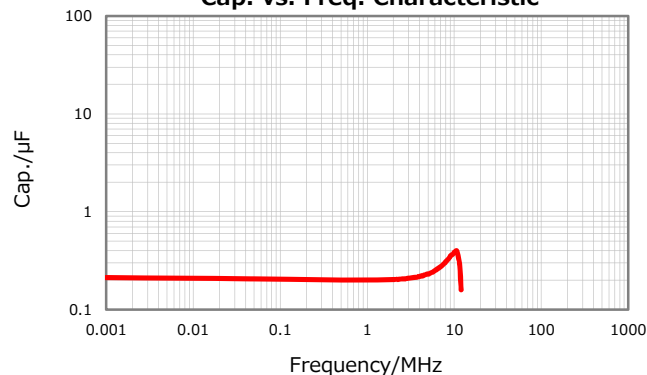
Yes



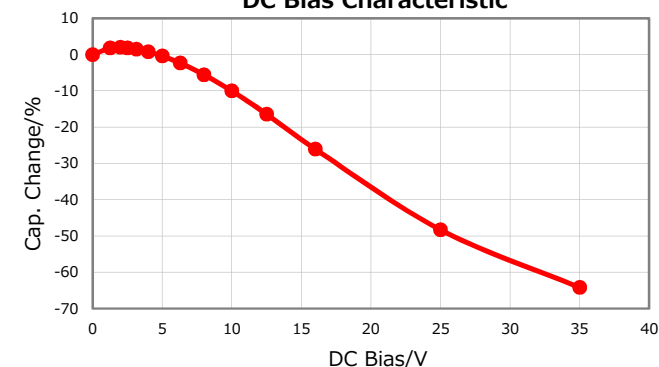
|Z|, ESR vs. Freq. Characteristics
(Simulation data)



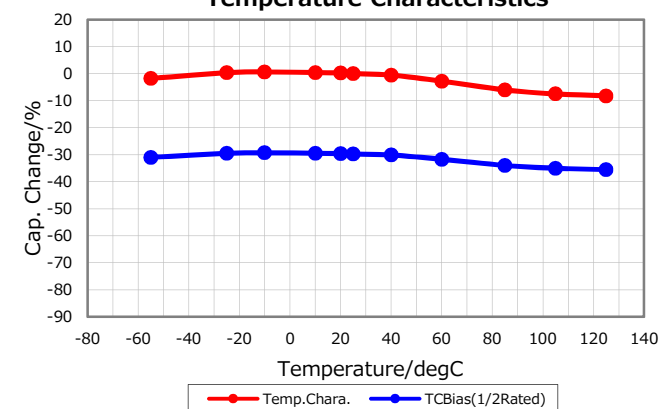
Cap. vs. Freq. Characteristic



DC Bias Characteristic



Temperature Characteristics



Ripple Temperature Rise Characteristics

