

CGA3E3X7S1A225K080AE

TDK item description : CGA3E3X7S1A225KT***S



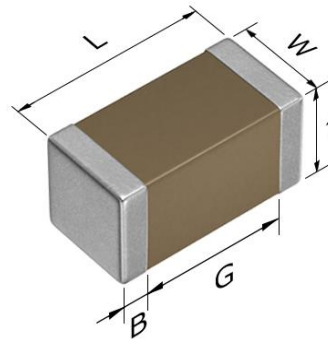
Equivalent C1608X7S1A225K for Automotive

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+0.15,-0.10 mm
B 0.20 mm min.
G 0.30 mm min.

Temperature Characteristic

X7S (-55 to +125 degC, ±22%)

Rated Voltage

1A (10Vdc)

Capacitance

2.2µF

Capacitance Tolerance

K (±10%)

DF

7.5 % max.

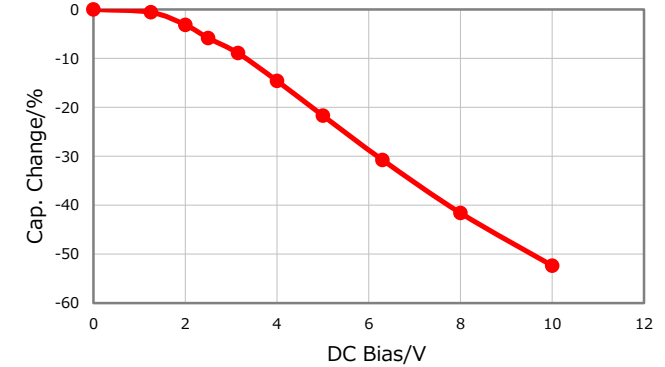
Insulation Resistance

45 Mohm min.

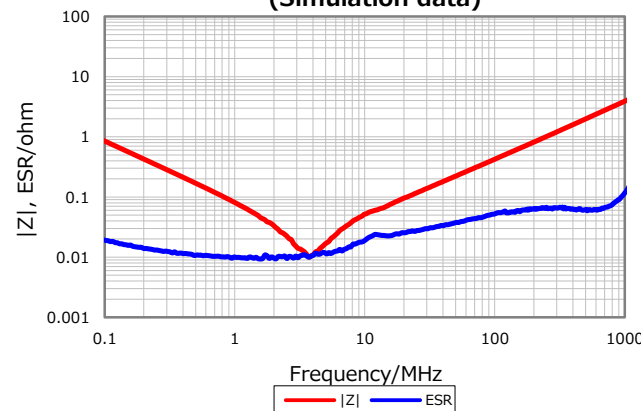
AEC-Q200

Yes

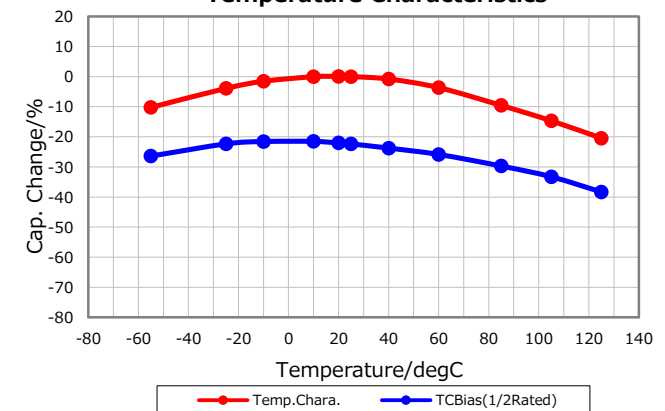
DC Bias Characteristic



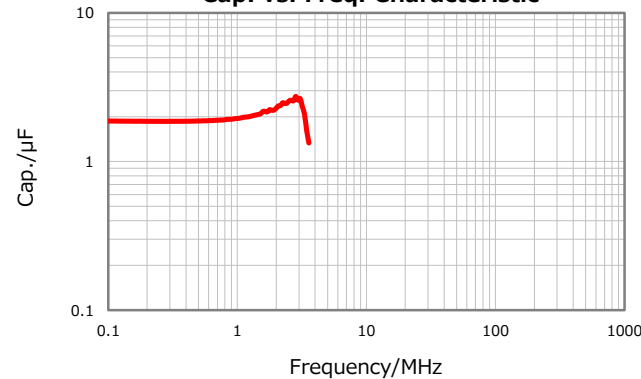
|Z|, ESR vs. Freq. Characteristics (Simulation data)



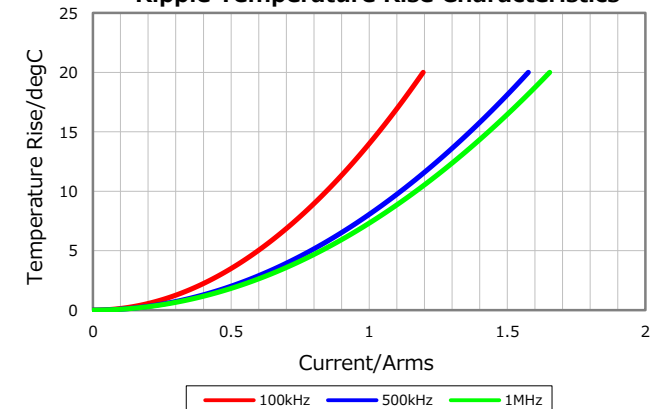
Temperature Characteristics



Cap. vs. Freq. Characteristic



Ripple Temperature Rise Characteristics



All specifications are subject to change without notice.

January 10, 2021