

CGA4J1X8R1E684K125AD

TDK Item Description : CGA4J1X8R1E684KT***B



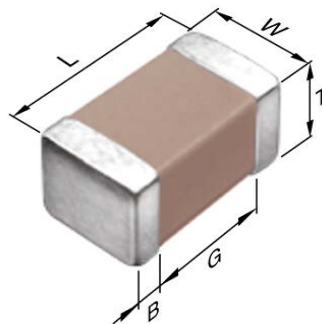
Equivalent C2012X8R1E684K for Automotive

Application & Main Feature

Automotive Grade (Conductive Epoxy Application)

Series

CGA4(2012) [EIA 0805]



Dimensions

L	2.00mm ±0.25mm
W	1.25mm ±0.25mm
T	1.25mm ±0.25mm
B	0.20mm Min.
G	0.50mm Min.

Temperature Characteristic

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

Rated Voltage

1E(25Vdc)

Capacitance

680nF

Capacitance Tolerance

K (±10%)

Dissipation Factor

5% Max.

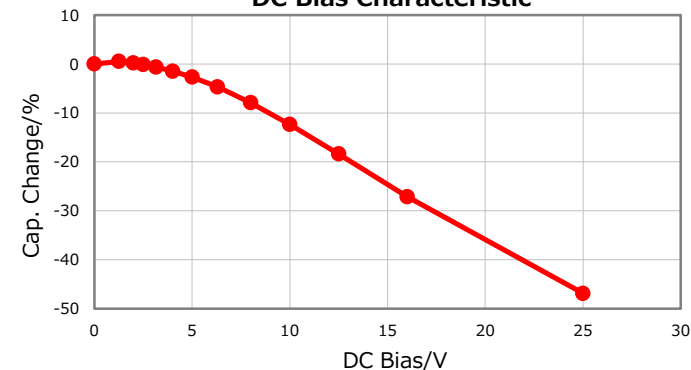
Insulation Resistance

735Mohm Min.

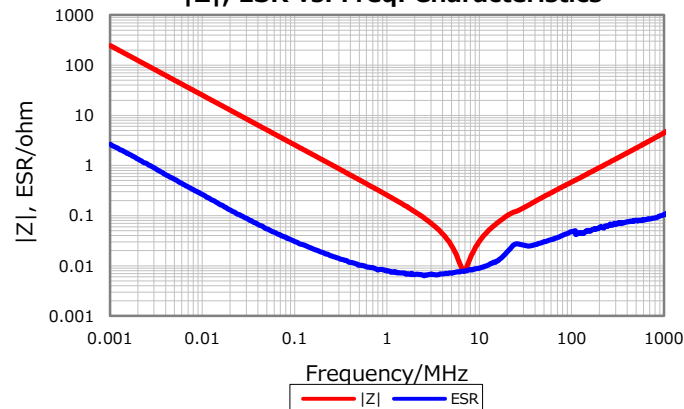
AEC-Q200

Yes

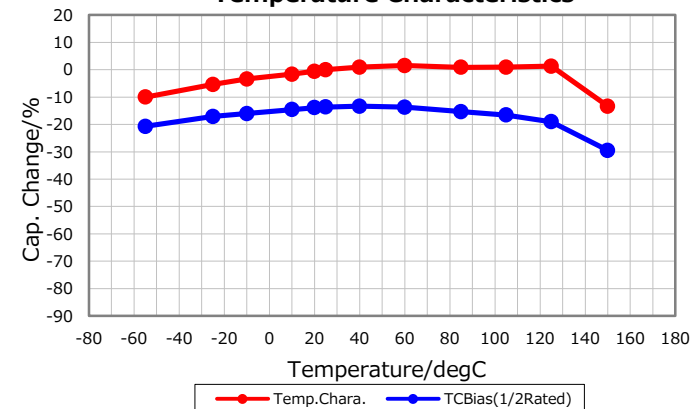
DC Bias Characteristic



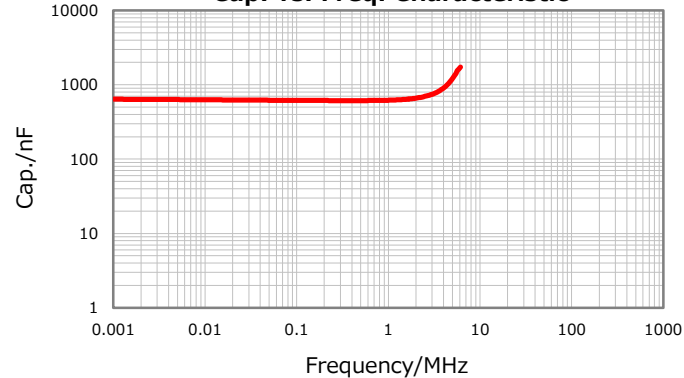
|Z|, ESR vs. Freq. Characteristics



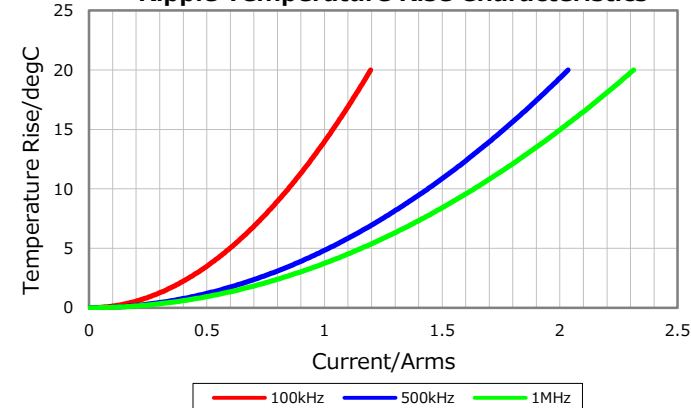
Temperature Characteristics



Cap. vs. Freq. Characteristic



Ripple Temperature Rise Characteristics



All specifications are subject to change without notice.

October 24, 2018