

CGA4J2X8R1H683K125AD

TDK Item Description : CGA4J2X8R1H683KT**B



Equivalent C2012X8R1H683K for Automotive

Application & Main Feature

Automotive Grade (Conductive Epoxy Application)

Series

CGA4(2012) [EIA CC0805]



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

1H (50Vdc)

Capacitance

68nF

Capacitance Tolerance

K (+/-10%)

Dissipation Factor

3% Max.

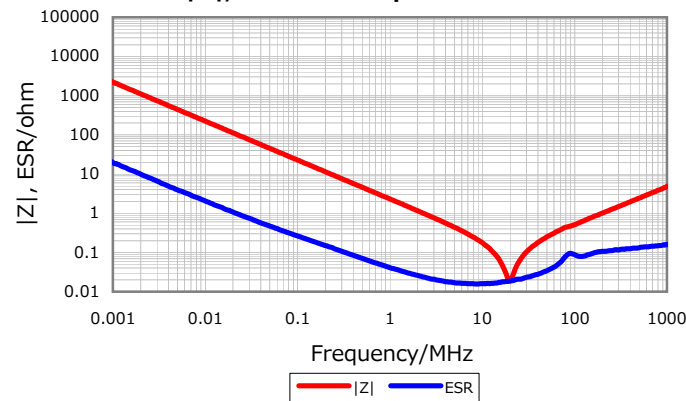
Insulation Resistance

7.35Gohm Min.

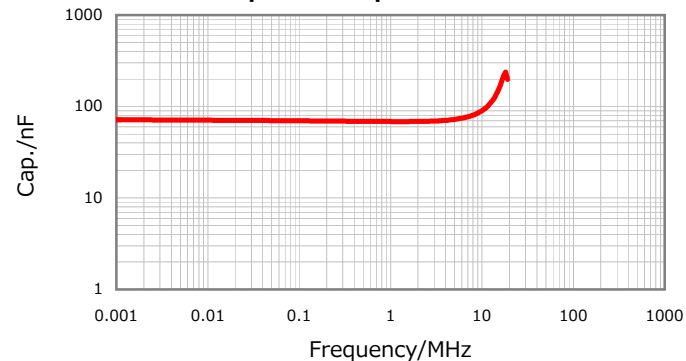
AEC-Q200

Yes

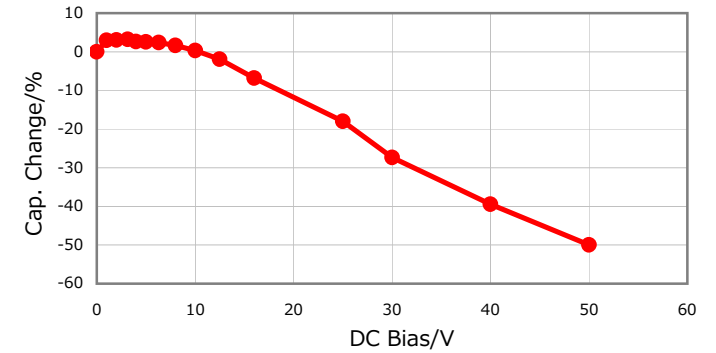
|Z|, ESR vs. Freq. Characteristics



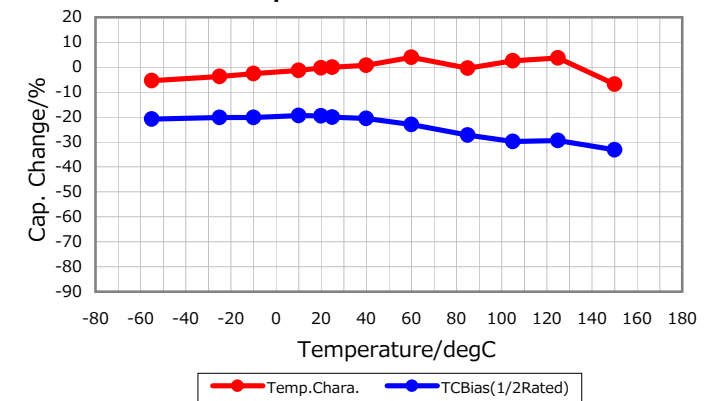
Cap. vs. Freq. Characteristic



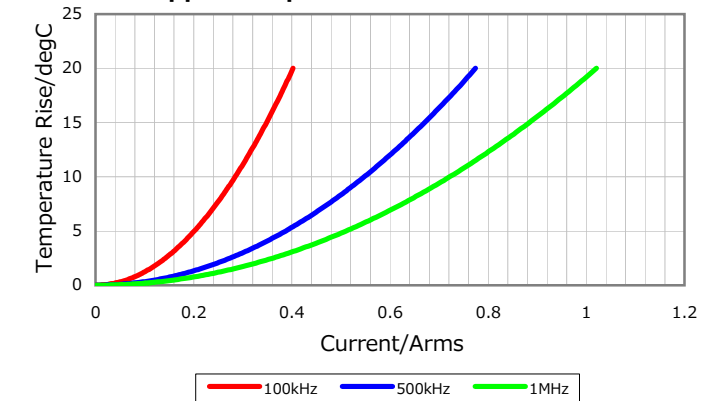
DC Bias Characteristic



Temperature Characteristics



Ripple Temperature Rise Characteristics



Characterization Sheet (Multilayer Ceramic Chip Capacitors)



All specifications are subject to change without notice.

January 4, 2016