

CGA4J2X8R1H683M125AE

TDK Item Description : CGA4J2X8R1H683MT***S



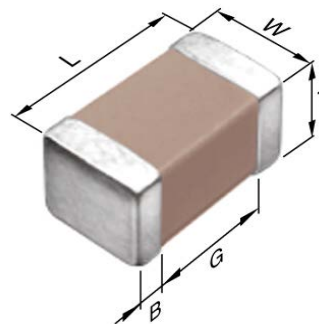
Equivalent C2012X8R1H683M for Automotive

Application & Main Feature

Automotive Grade (Soft Termination)

Series

CGA4(2012) [EIA CC0805]



Dimensions

L	2.00mm +0.45,-0.2mm
W	1.25mm +0.25,-0.2mm
T	1.25mm +0.25,-0.2mm
B	0.20mm Min.
G	0.50mm Min.

Temperature Characteristic

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

Rated Voltage

1H (50Vdc)

Capacitance

68nF

Capacitance Tolerance

M (+/-20%)

Dissipation Factor

3% Max.

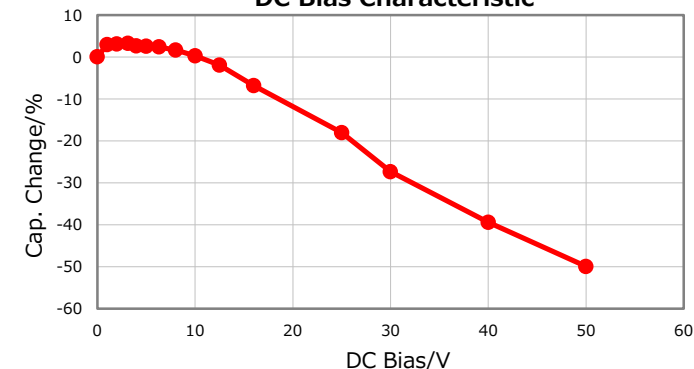
Insulation Resistance

7.352Gohm Min

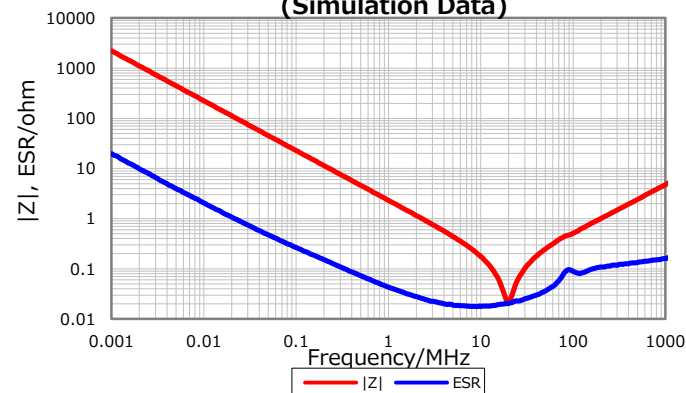
AEC-Q200

Yes

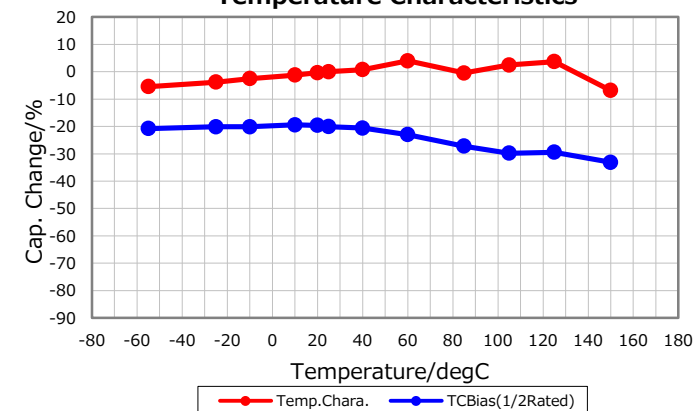
DC Bias Characteristic



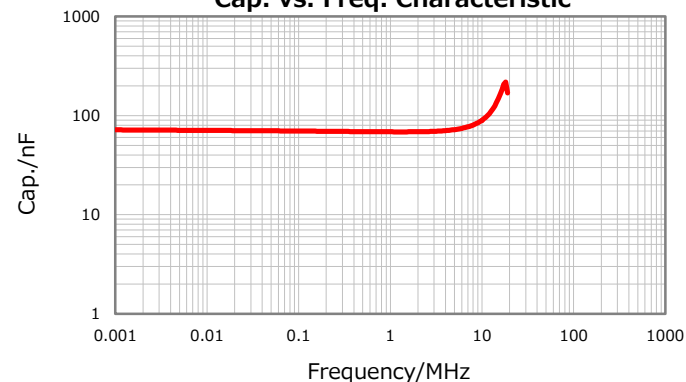
|Z|, ESR vs. Freq. Characteristics (Simulation Data)



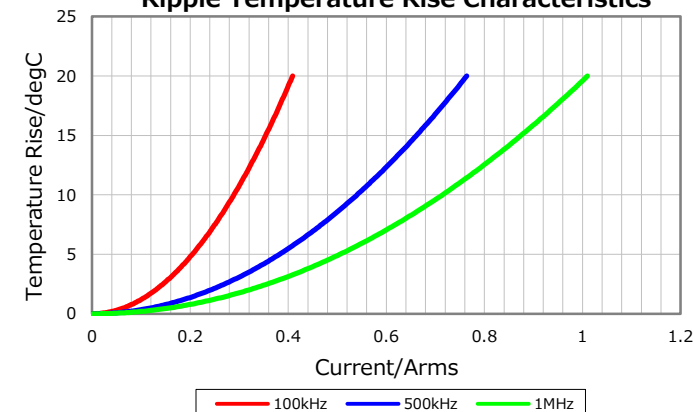
Temperature Characteristics



Cap. vs. Freq. Characteristic



Ripple Temperature Rise Characteristics



All specifications are subject to change without notice.

March 17, 2017