

CGA4F2X8R2A153M085AD

TDK Item Description : CGA4F2X8R2A153MT***B



Equivalent C2012X8R2A153M 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 0.85mm +/-0.15mm
 B 0.20mm Min.
 G 0.50mm Min.

Temperature Characteristic

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

Rated Voltage

2A (100Vdc)

Capacitance

15nF

Capacitance Tolerance

M (+/-20%)

Dissipation Factor

3% Max.

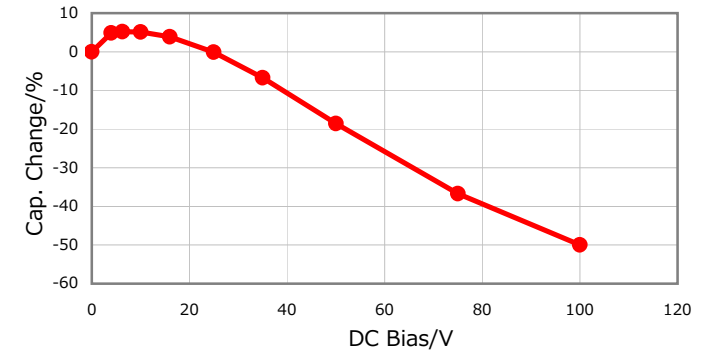
Insulation Resistance

10Gohm Min.

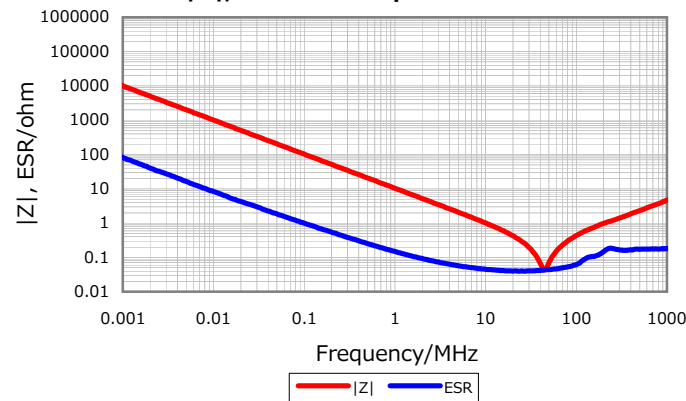
AEC-Q200

Yes

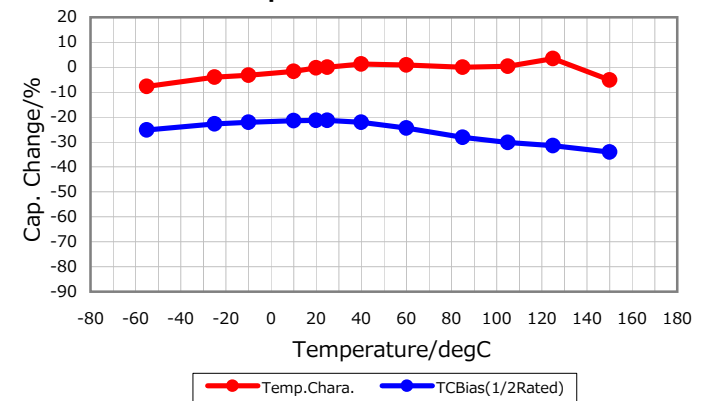
DC Bias Characteristic



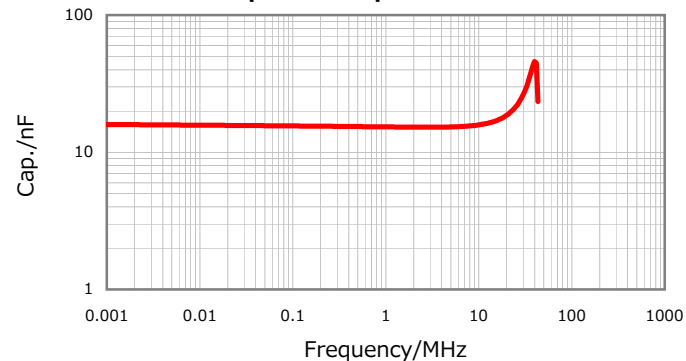
|Z|, ESR vs. Freq. Characteristics



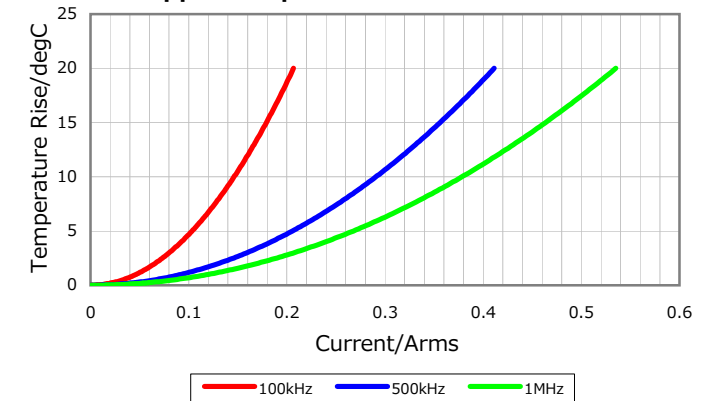
Temperature Characteristics



Cap. vs. Freq. Characteristic



Ripple Temperature Rise Characteristics



Characterization Sheet (Multilayer Ceramic Chip Capacitors)



All specifications are subject to change without notice.

January 4, 2016