

CGA4F2X8R1E154M085AD

TDK Item Description : CGA4F2X8R1E154MT***B



Equivalent C2012X8R1E154M 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

1E (25Vdc)

Capacitance

150nF

Capacitance Tolerance

M (+/-20%)

Dissipation Factor

3% Max.

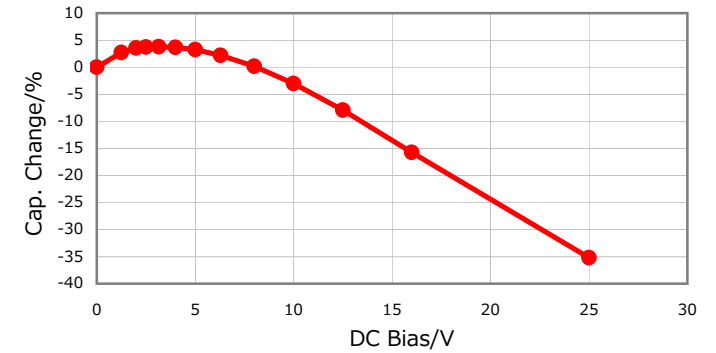
Insulation Resistance

3.33Gohm Min.

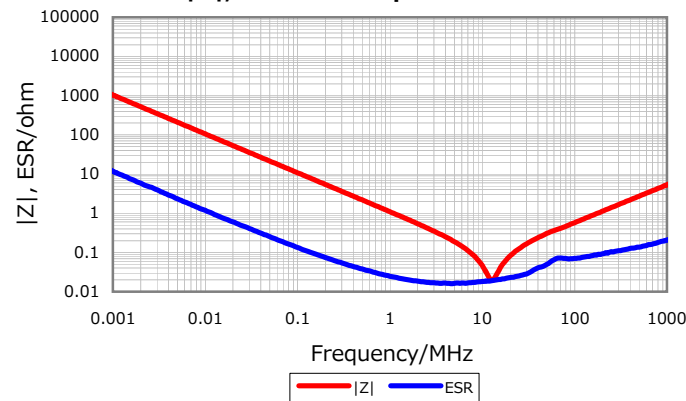
AEC-Q200

Yes

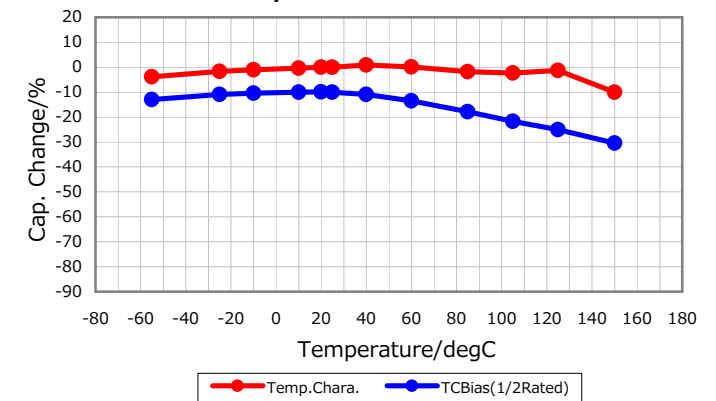
DC Bias Characteristic



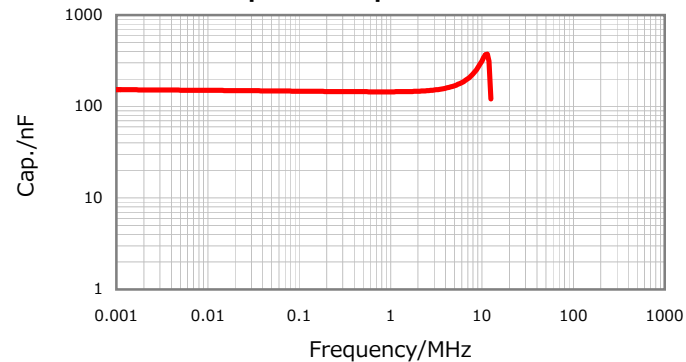
|Z|, ESR vs. Freq. Characteristics



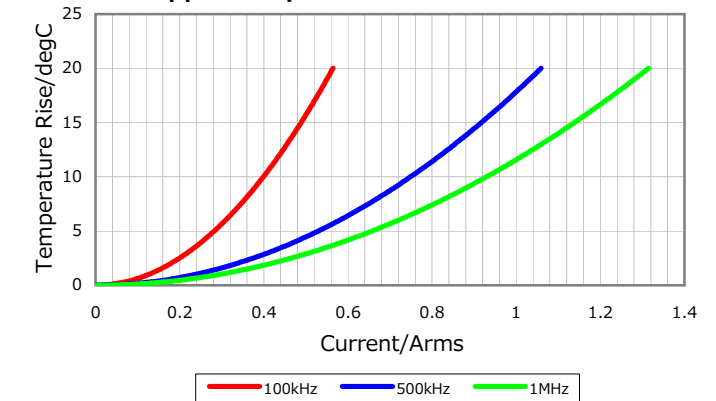
Temperature Characteristics



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