

CGA4F2X7R2A103K085AE

TDK Item Description : CGA4F2X7R2A103KT***S



Equivalent C2012X7R2A103K 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 | 0.85mm +/-0.15mm |
| B | 0.20mm Min. |
| G | 0.50mm Min. |

Temperature Characteristic

X7R (-55 to 125 degC +/-15%)

Rated Voltage

2A (100Vdc)

Capacitance

10nF

Capacitance Tolerance

K (+/-10%)

Dissipation Factor

3% Max.

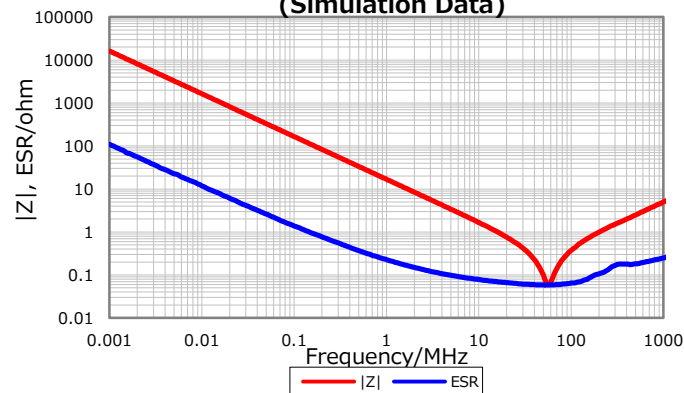
Insulation Resistance

10Gohm Min

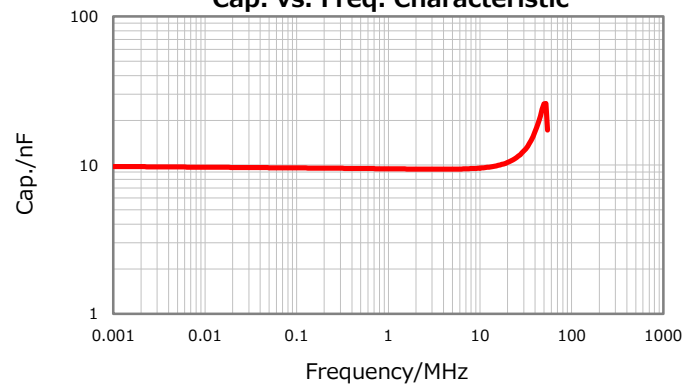
AEC-Q200

Yes

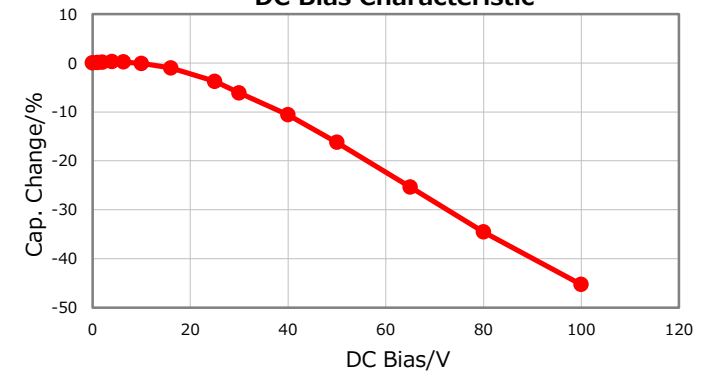
|Z|, ESR vs. Freq. Characteristics (Simulation Data)



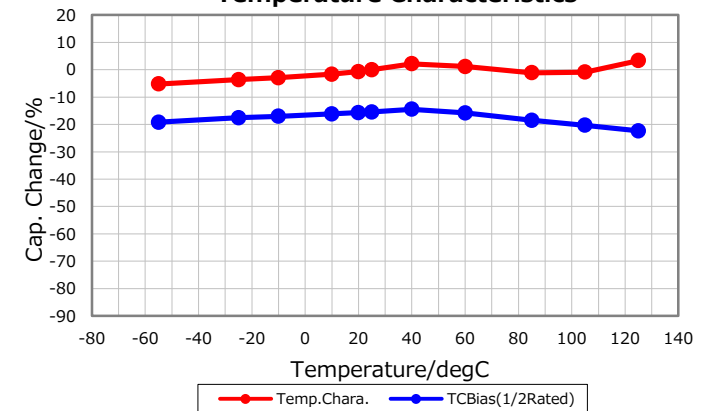
Cap. vs. Freq. Characteristic



DC Bias Characteristic



Temperature Characteristics



Ripple Temperature Rise Characteristics

