

CGA4F2C0G1H153J085AA

TDK Item Description : CGA4F2C0G1H153JT****



Equivalent C2012C0G1H153J for Automotive

Application & Main Feature

Automotive Grade(Up to 50V)

Series

CGA4(2012) [EIA 0805]



Dimensions

| | |
|---|----------------|
| L | 2.00mm ±0.20mm |
| W | 1.25mm ±0.20mm |
| T | 0.85mm ±0.15mm |
| B | 0.20mm Min. |
| G | 0.50mm Min. |

Temperature Characteristic

C0G (-55 to 125 degC 0+/-30ppm/degC)

Rated Voltage

1H(50Vdc)

Capacitance

15nF

Capacitance Tolerance

J (±5%)

Q Factor

1000 Min.

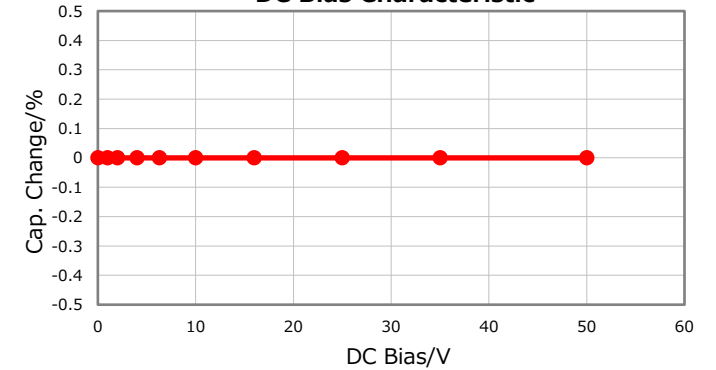
Insulation Resistance

10Gohm Min

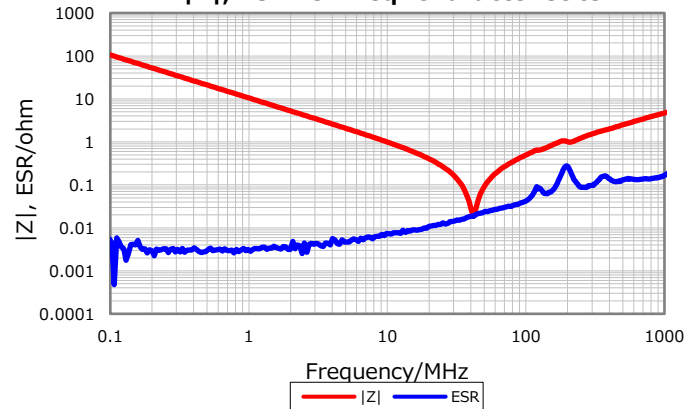
AEC-Q200

Yes

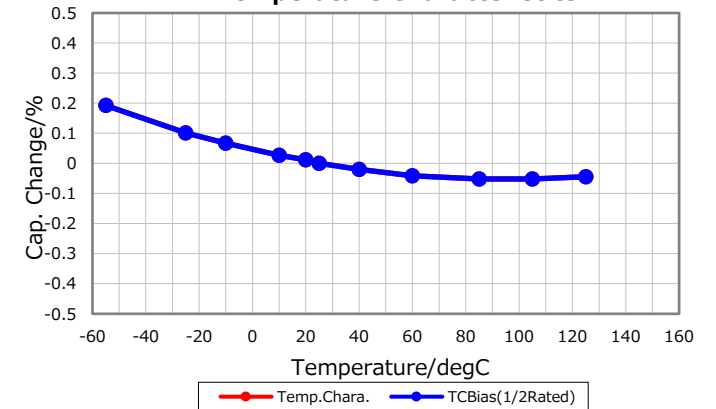
DC Bias Characteristic



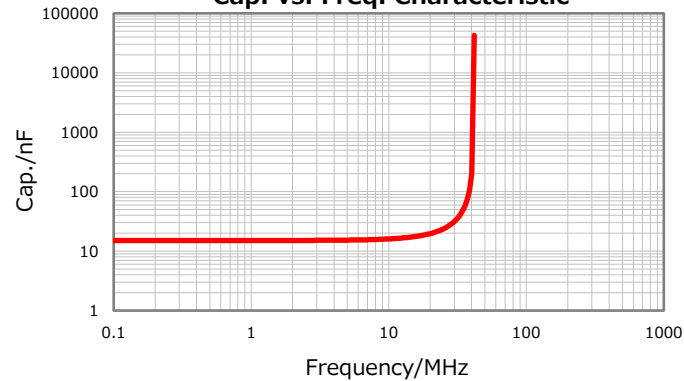
|Z|, ESR vs. Freq. Characteristics



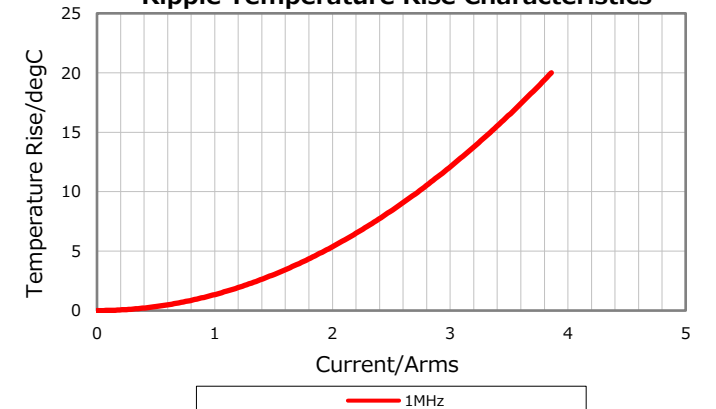
Temperature Characteristics



Cap. vs. Freq. Characteristic



Ripple Temperature Rise Characteristics



Characterization Sheet (Multilayer Ceramic Chip Capacitors)



All specifications are subject to change without notice.

May 22, 2019