

CGA2B1C0G2A102J050BC

TDK Item Description : CGA2B1C0G2A102JT****



Equivalent C1005C0G2A102J for Automotive

Application & Main Feature

Automotive Grade (Mid Voltage (100 to 630V))

Series

CGA2(1005) [EIA 0402]



Dimensions

L	1.00mm ±0.05mm
W	0.50mm ±0.05mm
T	0.50mm ±0.05mm
B	0.10mm Min.
G	0.30mm Min.

Temperature Characteristic

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

Rated Voltage

2A(100Vdc)

Capacitance

1nF

Capacitance Tolerance

J (±5%)

Q Factor

1000 Min.

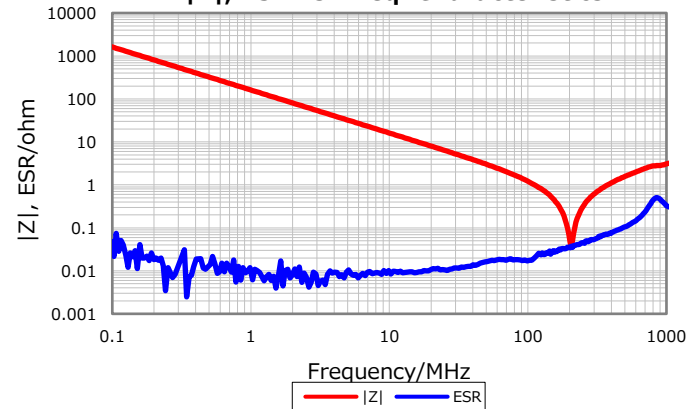
Insulation Resistance

10Gohm Min

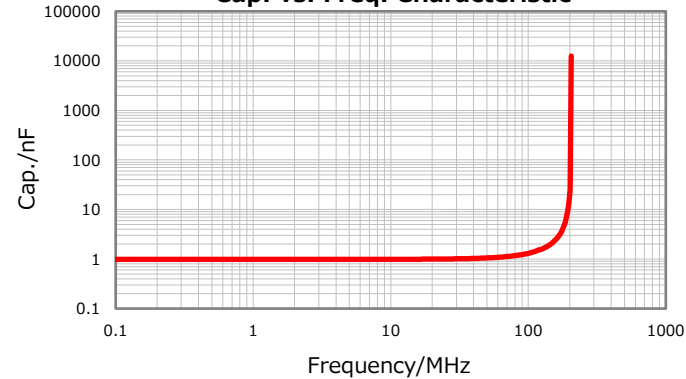
AEC-Q200

Yes

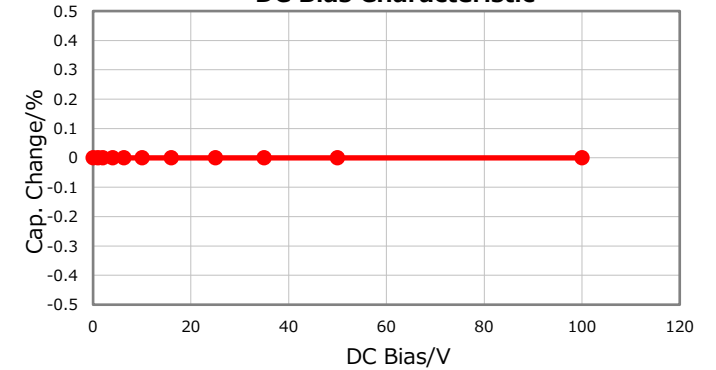
|Z|, ESR vs. Freq. Characteristics



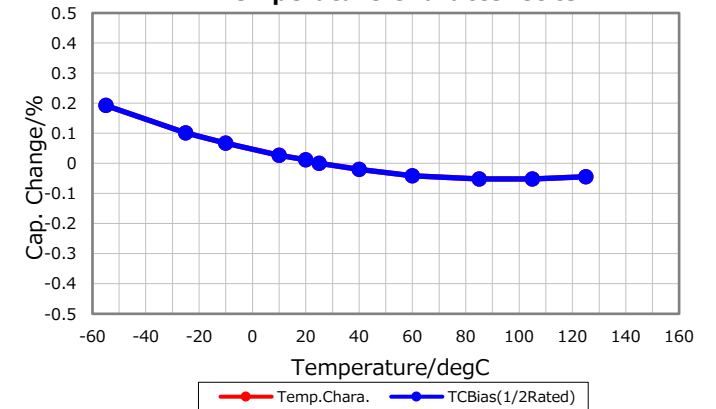
Cap. vs. Freq. Characteristic



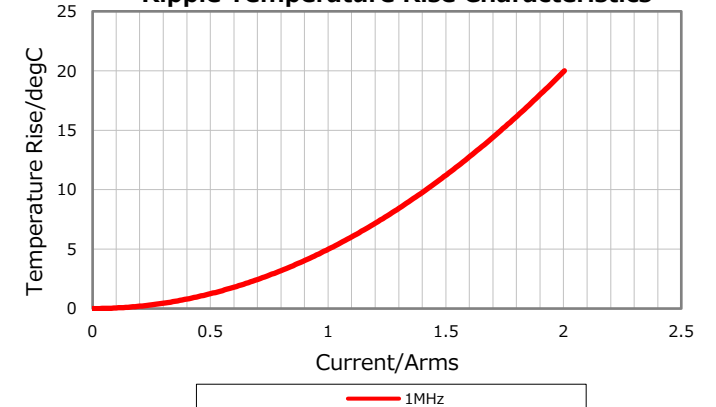
DC Bias Characteristic



Temperature Characteristics



Ripple Temperature Rise Characteristics



Characterization Sheet (Multilayer Ceramic Chip Capacitors)



All specifications are subject to change without notice.

May 22, 2019