

CGA7K1X7R3A102K130KA

TDK Item Description : CGA7K1X7R3A102KT****



Equivalent C4520X7R3A102K for Automotive

Application & Main Feature

Automotive Grade (High Voltage (1000V and over))

Series

CGA7(4520) [EIA CC1808]



Dimensions

L 4.50mm +/-0.4mm
 W 2.00mm +/-0.2mm
 T 1.30mm +/-0.2mm
 B 0.20mm Min.
 G

Temperature Characteristic

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

Rated Voltage

3A (1000Vdc)

Capacitance

1nF

Capacitance Tolerance

K (+/-10%)

Dissipation Factor

3% Max.

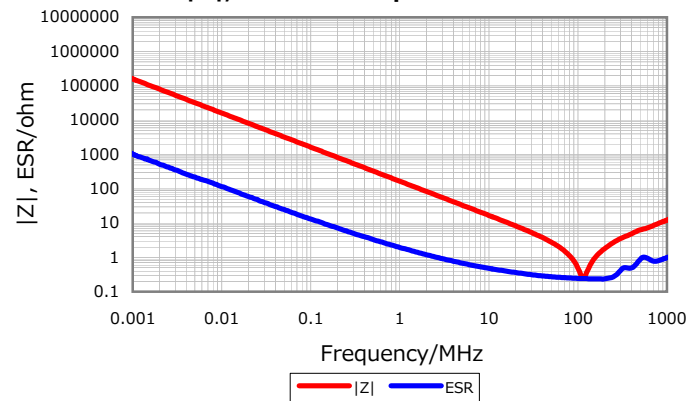
Insulation Resistance

10Gohm Min.

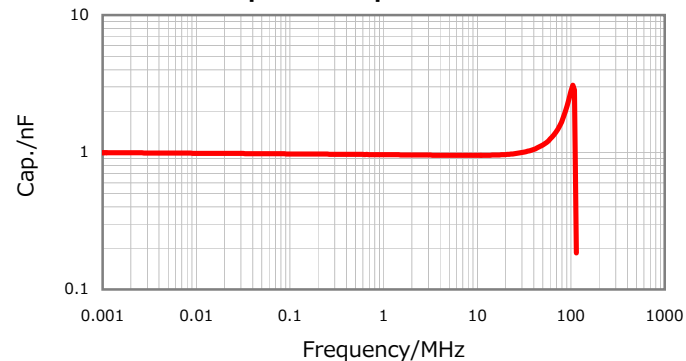
AEC-Q200

Not Applicable

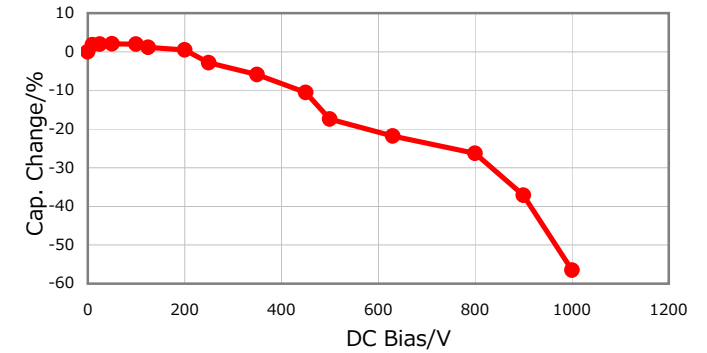
|Z|, ESR vs. Freq. Characteristics



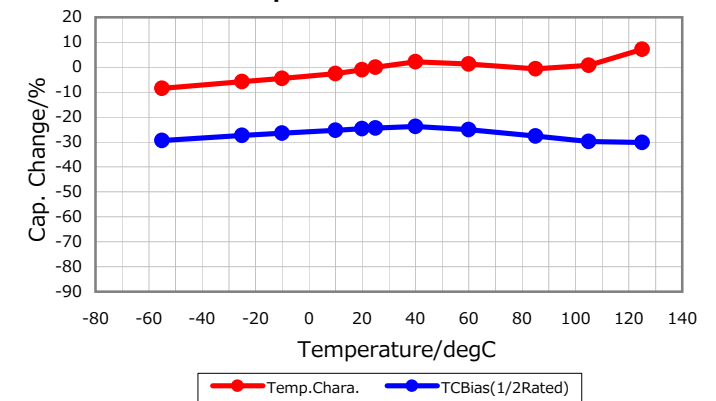
Cap. vs. Freq. Characteristic



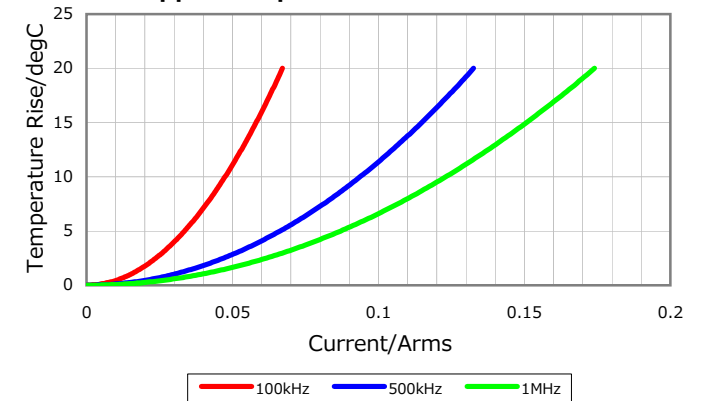
DC Bias Characteristic



Temperature Characteristics



Ripple Temperature Rise Characteristics



Characterization Sheet (Multilayer Ceramic Chip Capacitors)



All specifications are subject to change without notice.

January 4, 2016