

CGA4J2X5R1H224K125AA

TDK Item Description : CGA4J2X5R1H224KT***



Equivalent C2012X5R1H224K for Automotive

Application & Main Feature

Automotive Grade (General (Up to 50V))

Series

CGA4(2012) [EIA CC0805]



Dimensions

- L 2.00mm +/-0.2mm
- W 1.25mm +/-0.2mm
- T 1.25mm +/-0.2mm
- B 0.20mm Min.
- G 0.50mm Min.

Temperature Characteristic

X5R (-55 to 85 degC +/-15%)

Rated Voltage

1H (50Vdc)

Capacitance

220nF

Capacitance Tolerance

K (+/-10%)

Dissipation Factor

3% Max.

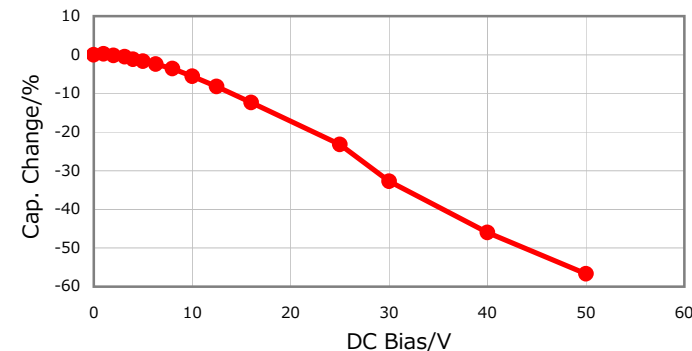
Insulation Resistance

2.27Gohm Min.

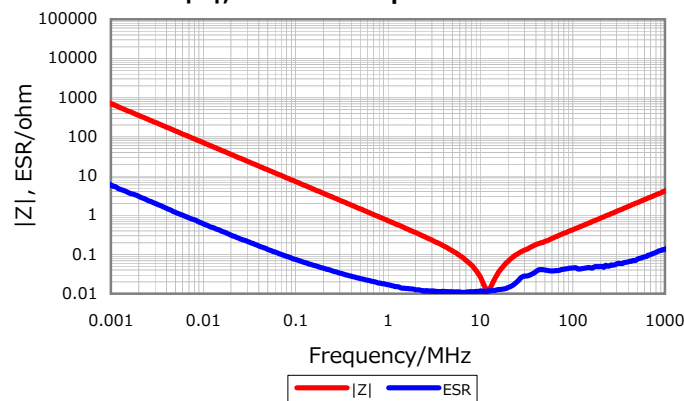
AEC-Q200

Yes

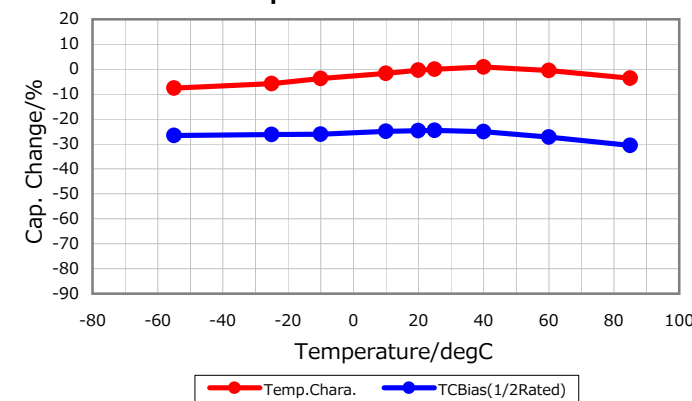
DC Bias Characteristic



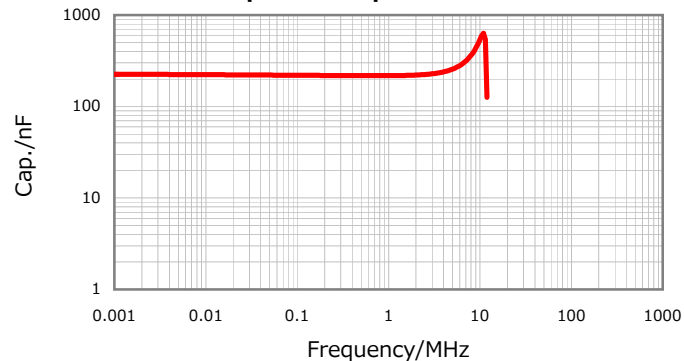
|Z|, ESR vs. Freq. Characteristics



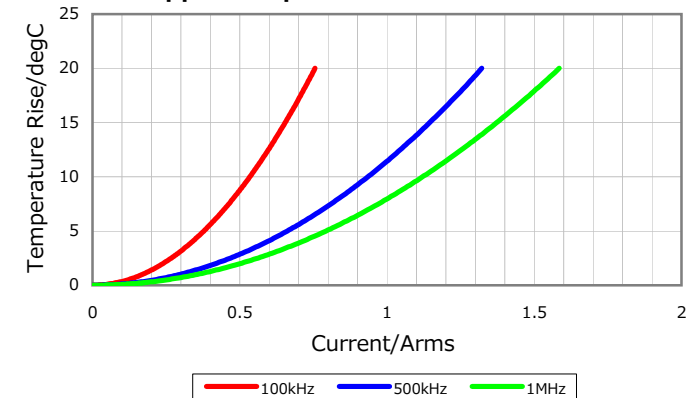
Temperature Characteristics



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