

CGA4J1X7R1V225K125AE

--- Multilayer Ceramic Chip Capacitor (MLCC) ---



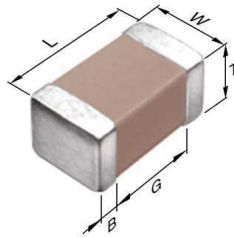
Equivalent C2012X7R1V225K for Automotive

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 1.25mm +0.25,-0.2mm
 B 0.20mm Min.
 G 0.50mm Min.

Temperature Characteristic

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

Rated Voltage

1V (35Vdc)

Capacitance

2.2uF

Capacitance Tolerance

K (+/-10%)

Dissipation Factor

5% Max.

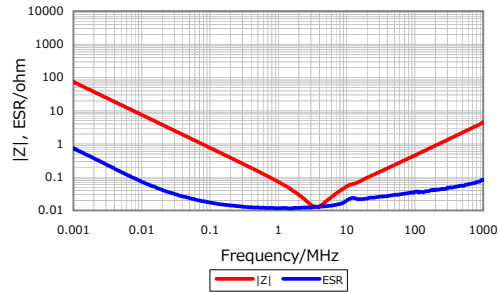
Insulation Resistance

227Mohm Min.

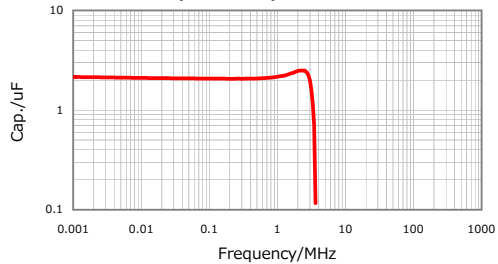
AEC-Q200

Yes

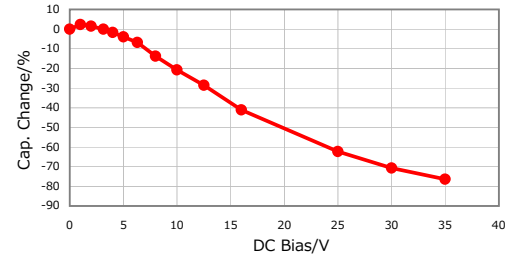
|Z|, ESR vs. Freq. Characteristics



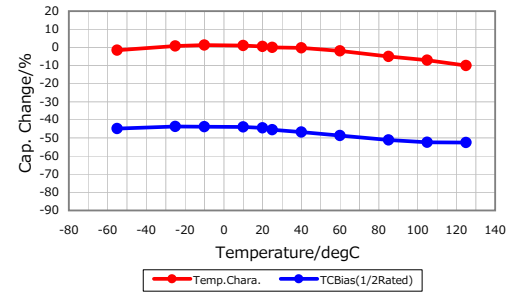
Cap. vs. Freq. Characteristic



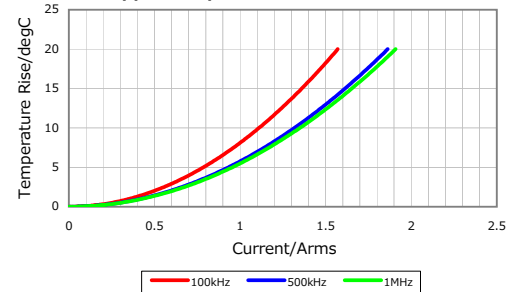
DC Bias Characteristic



Temperature Characteristic



Ripple Temperature Rise Characteristic



Characterization Sheet



All specifications are subject to change without notice.

December 22, 2012