

CGA4J3X7R1H105K125AE

TDK Item Description : CGA4J3X7R1H105KT**S



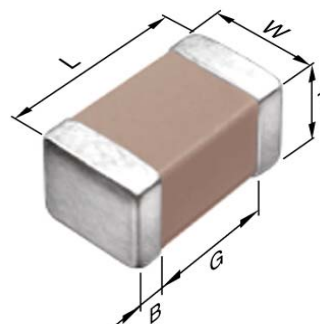
Equivalent C2012X7R1H105K for Automotive

Application & Main Feature

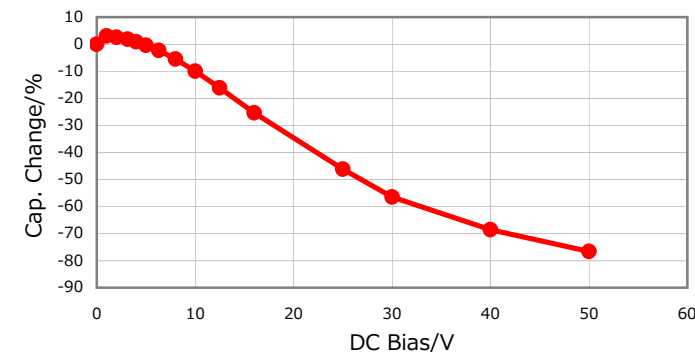
Automotive Grade (Soft Termination)

Series

CGA4(2012) [EIA CC0805]



DC Bias Characteristic



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

1H (50Vdc)

Capacitance

1uF

Capacitance Tolerance

K (+/-10%)

Dissipation Factor

5% Max.

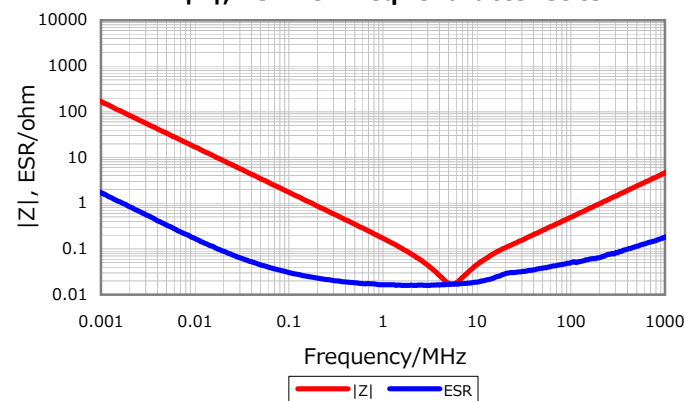
Insulation Resistance

500Mohm Min.

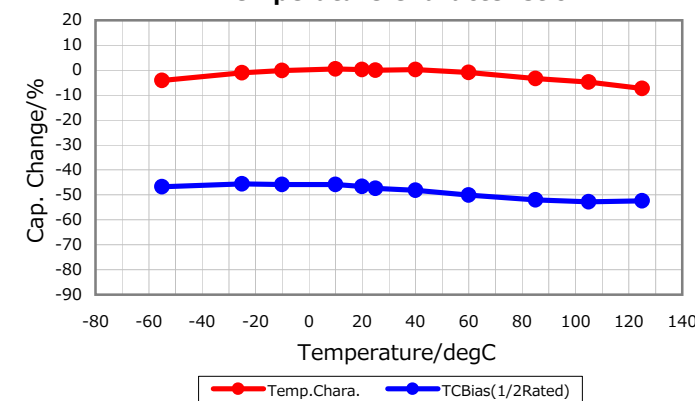
AEC-Q200

Yes

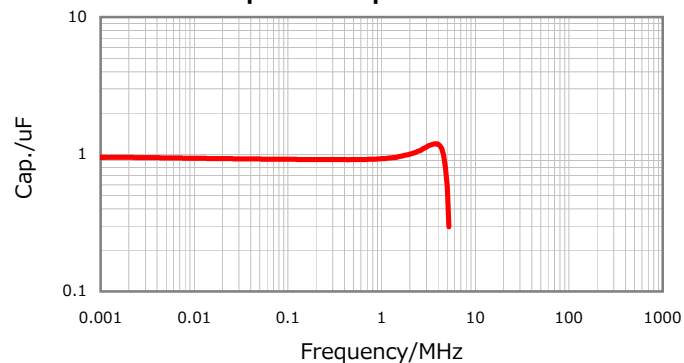
|Z|, ESR vs. Freq. Characteristics



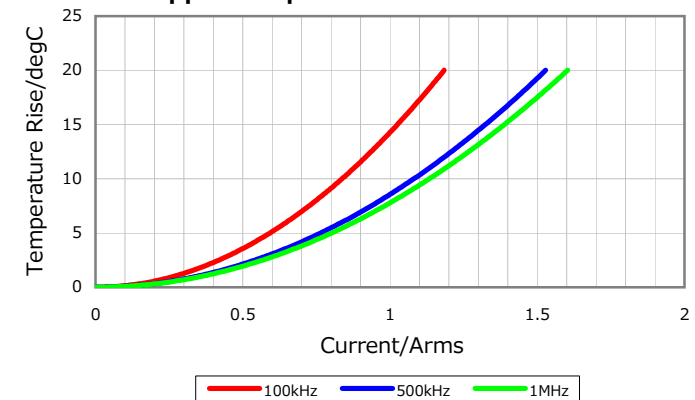
Temperature Characteristic



Cap. vs. Freq. Characteristic



Ripple Temperature Rise Characteristic



All specifications are subject to change without notice.

September 28, 2013