

CGA4J3X7R1E684M125AD

TDK Item Description : CGA4J3X7R1E684MT***B

Equivalent C2012X7R1E684M for Automotive

Application & Main Feature

Automotive Grade (Conduitive Epoxy Application)

Series

CGA4(2012) [EIA CC0805]

Dimensions

L	2.00mm +/-0.25mm
W	1.25mm +/-0.25mm
T	1.25mm +/-0.25mm
B	0.20mm Min.
G	0.50mm Min.

Temperature Characteristic

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

Rated Voltage

1E (25Vdc)

Capacitance

680nF

Capacitance Tolerance

M (+/-20%)

Dissipation Factor

5% Max.

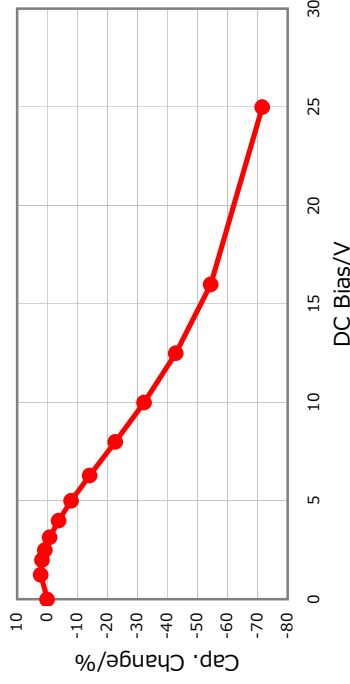
Insulation Resistance

735Mohm Min.

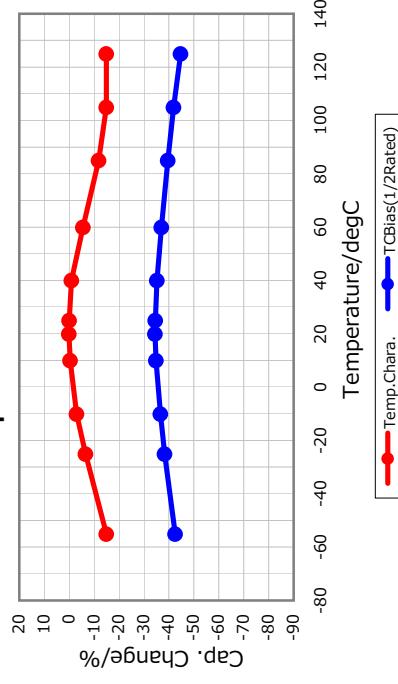
AEC-Q200

Yes

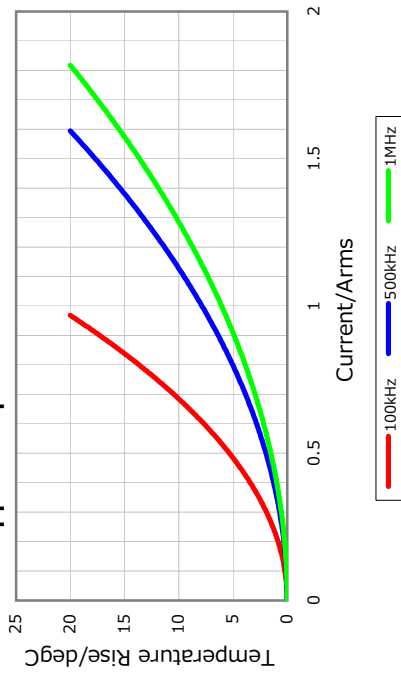
DC Bias Characteristic



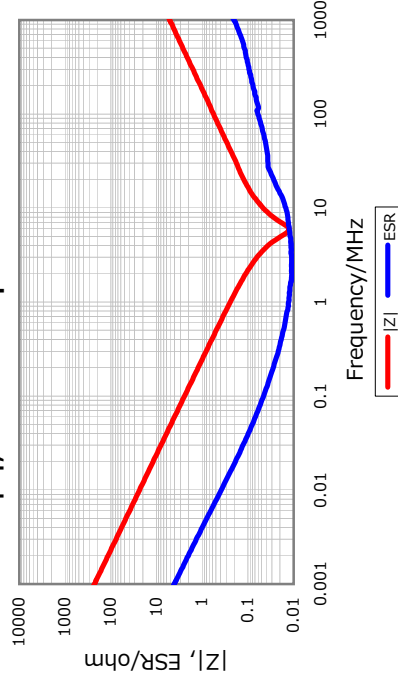
Temperature Characteristics



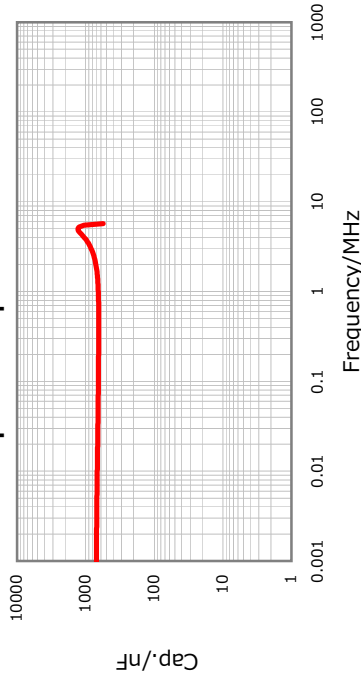
Ripple Temperature Rise Characteristics



|Z|, ESR vs. Freq. Characteristics



Cap. vs. Freq. Characteristic



All specifications are subject to change without notice.

January 4, 2016