

CGA9P2X7R1H685K250KA

TDK Item Description : CGA9P2X7R1H685KT****



Equivalent C5750X7R1H685K for Automotive

Application & Main Feature

Automotive Grade (General (Up to 50V))

Series

CGA9(5750) [EIA CC2220]



Dimensions

L 5.70mm +/-0.4mm
 W 5.00mm +/-0.4mm
 T 2.50mm +/-0.3mm
 B 0.20mm Min.
 G

Temperature Characteristic

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

Rated Voltage

1H (50Vdc)

Capacitance

6.8uF

Capacitance Tolerance

K (+/-10%)

Dissipation Factor

3% Max.

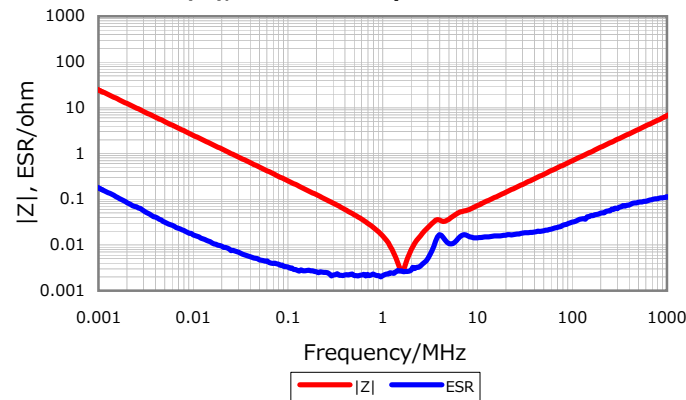
Insulation Resistance

73Mohm Min.

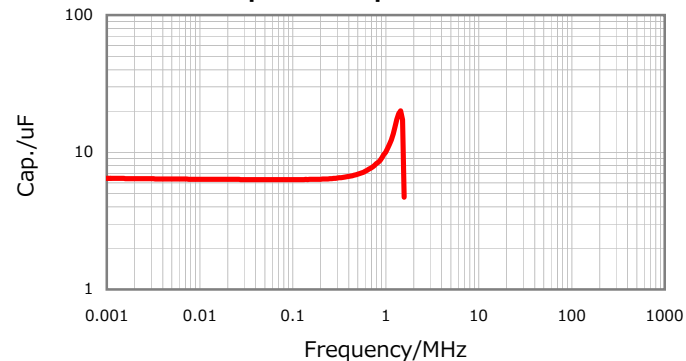
AEC-Q200

Yes

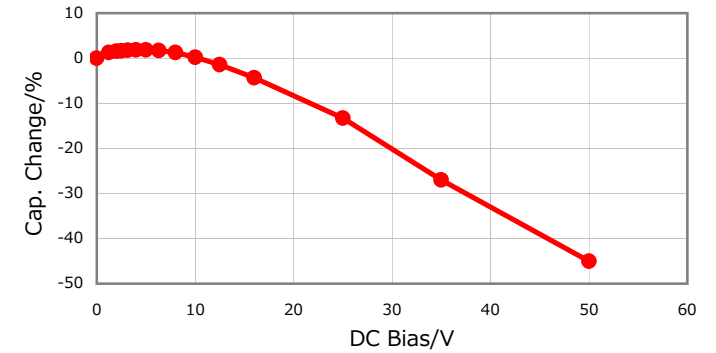
|Z|, ESR vs. Freq. Characteristics



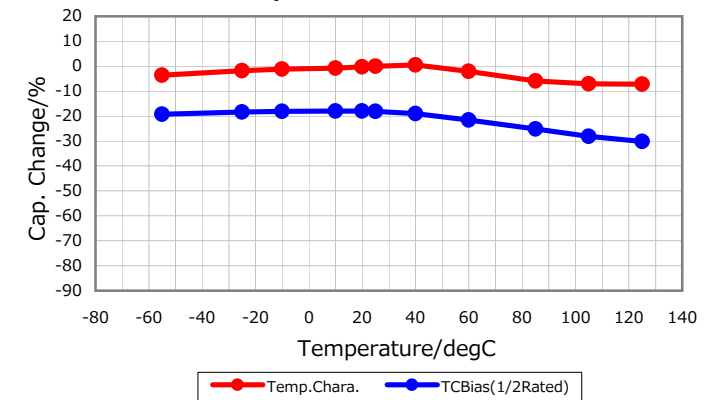
Cap. vs. Freq. Characteristic



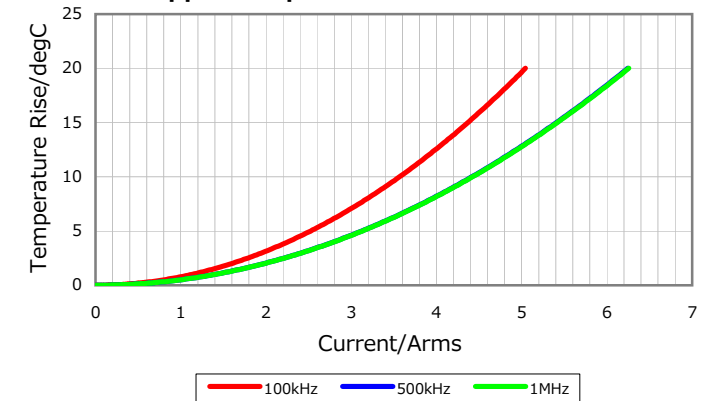
DC Bias Characteristic



Temperature Characteristics



Ripple Temperature Rise Characteristics



Characterization Sheet (Multilayer Ceramic Chip Capacitors)



All specifications are subject to change without notice.

January 4, 2016