CGA5L3X5R1V685K160AB

TDK Item Description : CGA5L3X5R1V685KT****

Lead Free | Halogen Free | REACH | RoHS COMPLIANT

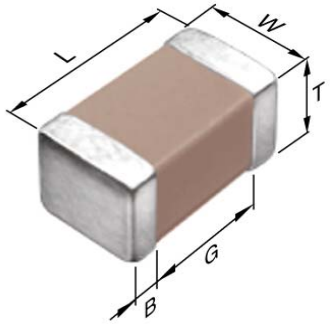
Equivalent C3216X5R1V685K for Automotive

Application & Main Feature

Automotive Grade (General (Up to 50V))

Series

CGA5(3216) [EIA CC1206]



Dimensions

L	3.20mm +0.3,-0.1mm
W	1.60mm +0.3,-0.1mm
T	1.60mm +0.3,-0.1mm
B	0.20mm Min.
G	1.00mm Min.

Temperature Characteristic

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

Rated Voltage

1V (35Vdc)

Capacitance

6.8uF

Capacitance Tolerance

K (+/-10%)

Dissipation Factor

7.5% Max.

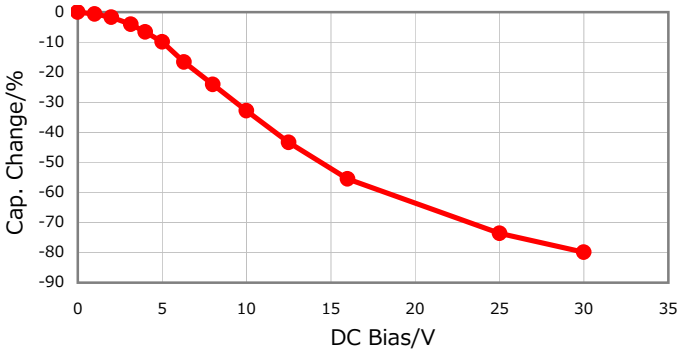
Insulation Resistance

73Mohm Min.

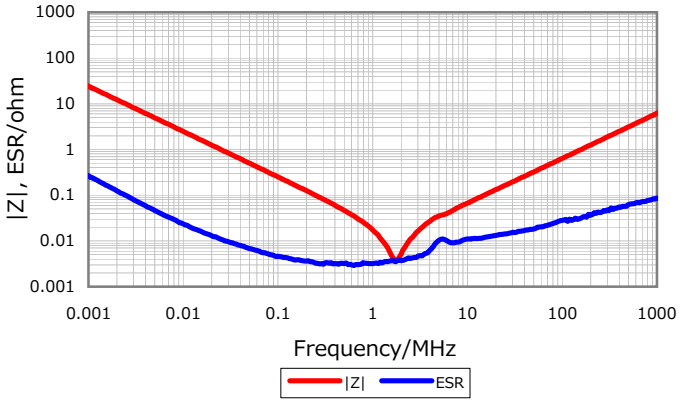
AEC-Q200

Yes

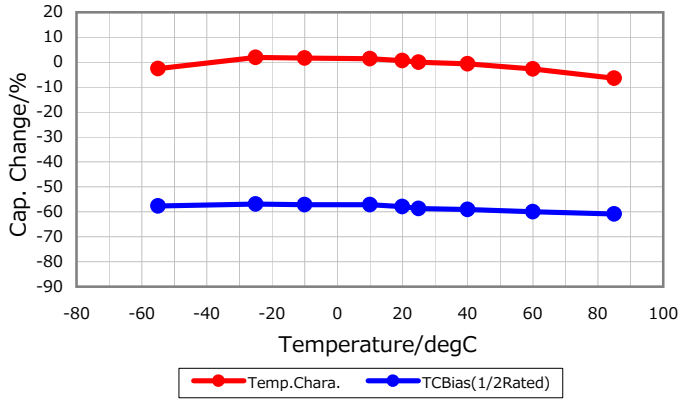
DC Bias Characteristic



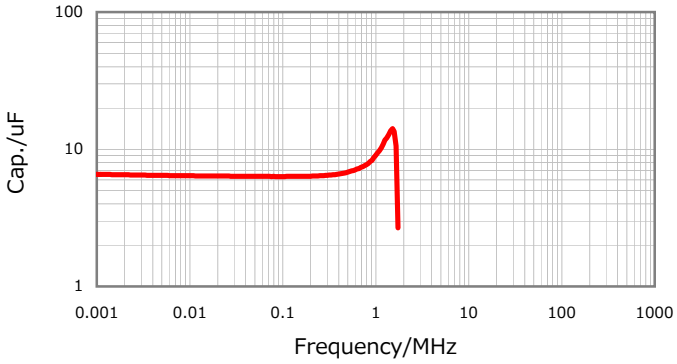
|Z|, ESR vs. Freq. Characteristics



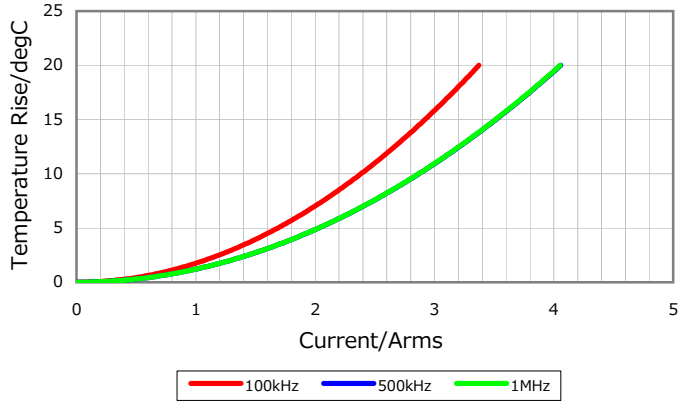
Temperature Characteristics



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