CGA5L3X8R1H105K160AD

TDK Item Description : CGA5L3X8R1H105KT***B

Lead Free | Halogen Free | REACH | RoHS COMPLIANT

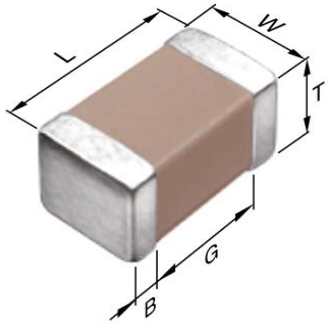
Equivalent C3216X8R1H105K for Automotive

Application & Main Feature

Automotive Grade (Counductive Epoxy Application)

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

X8R (-55 to 150 degC +/-15%)

Rated Voltage

1H (50Vdc)

Capacitance

1uF

Capacitance Tolerance

K (+/-10%)

Dissipation Factor

3% Max.

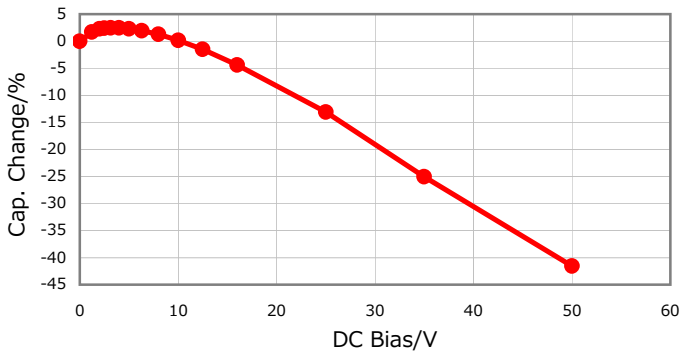
Insulation Resistance

500Mohm Min.

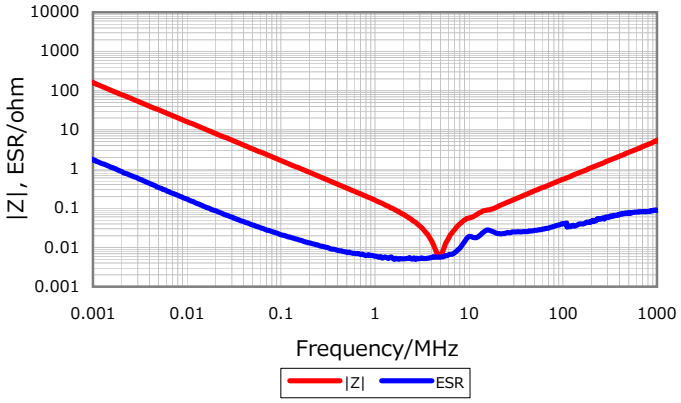
AEC-Q200

Yes

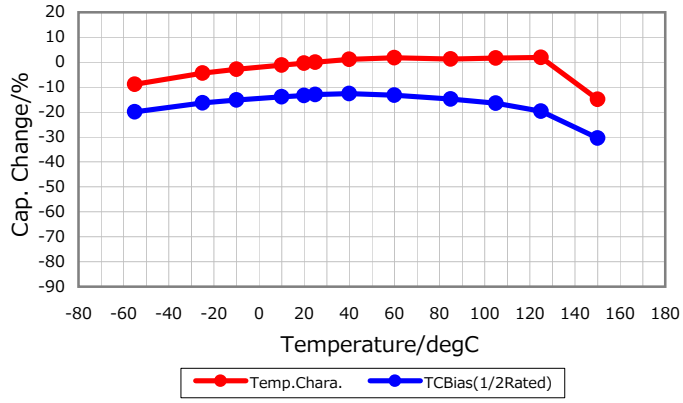
DC Bias Characteristic



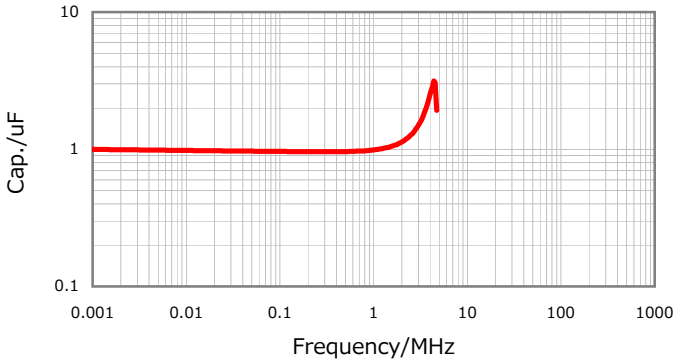
|Z|, ESR vs. Freq. Characteristics



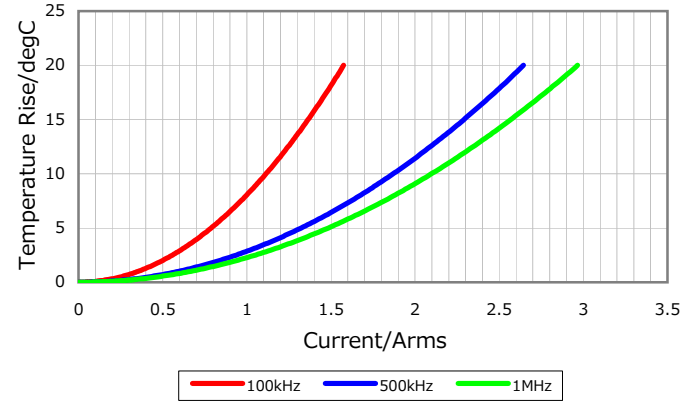
Temperature Characteristics



Cap. vs. Freq. Characteristic



Ripple Temperature Rise Characteristics



Characterization Sheet (Multilayer Ceramic Chip Capacitors)

TDK

All specifications are subject to change without notice.

January 4, 2016

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