

CGA5L3X7R1H105M160AB

TDK Item Description : CGA5L3X7R1H105MT****



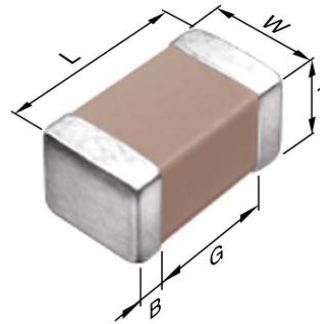
Equivalent C3216X7R1H105M for Automotive

Application & Main Feature

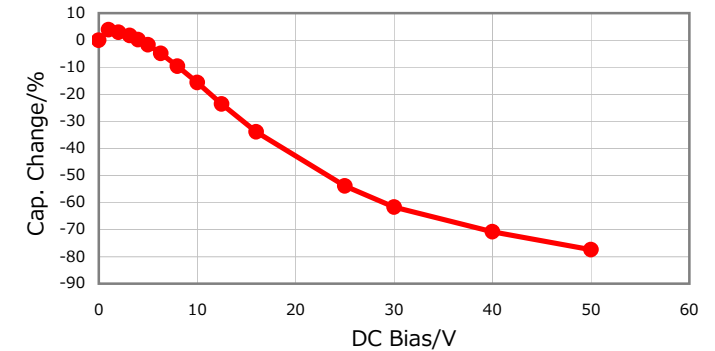
Automotive Grade (General (Up to 50V))

Series

CGA5(3216) [EIA CC1206]



DC Bias Characteristic



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

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

Rated Voltage

1H (50Vdc)

Capacitance

1uF

Capacitance Tolerance

M (+/-20%)

Dissipation Factor

5% Max.

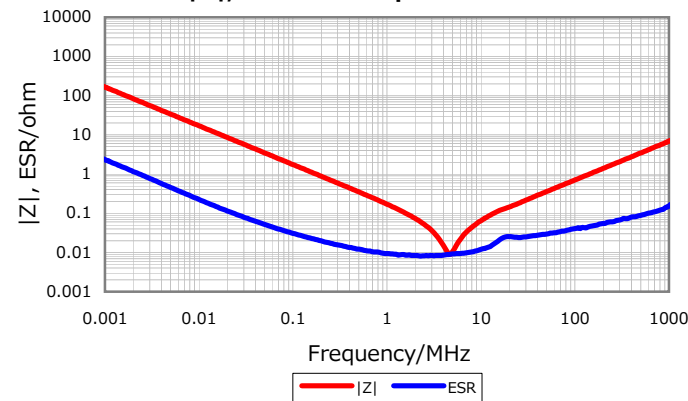
Insulation Resistance

500Mohm Min.

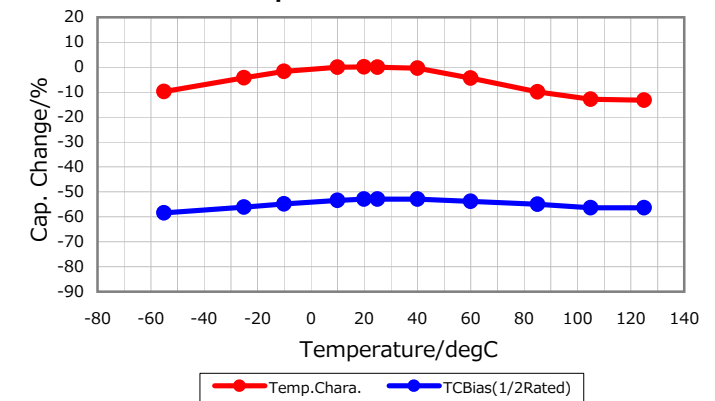
AEC-Q200

Yes

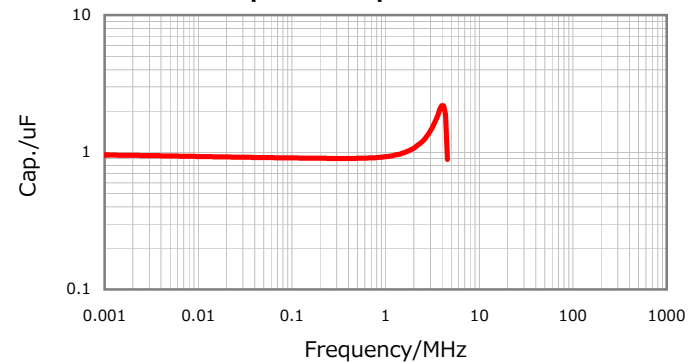
|Z|, ESR vs. Freq. Characteristics



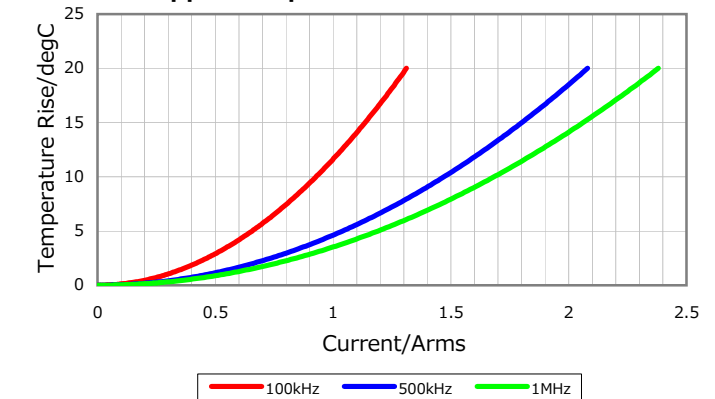
Temperature Characteristics



Cap. vs. Freq. Characteristic



Ripple Temperature Rise Characteristics



All specifications are subject to change without notice.

January 4, 2016