

CGA5L2X7R1E105M160AA

TDK Item Description : CGA5L2X7R1E105MT****



Equivalent C3216X7R1E105M 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

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

Rated Voltage

1E (25Vdc)

Capacitance

1uF

Capacitance Tolerance

M (+/-20%)

Dissipation Factor

3% Max.

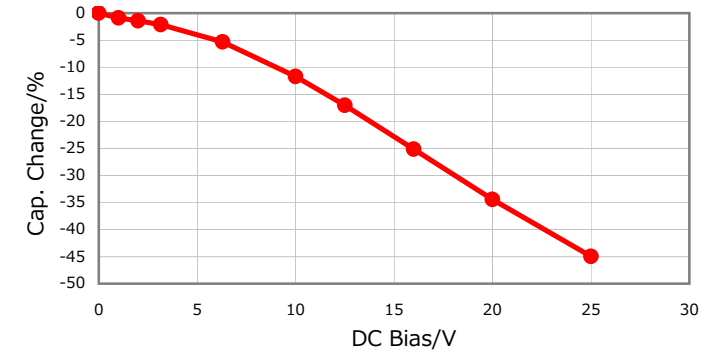
Insulation Resistance

500Mohm Min.

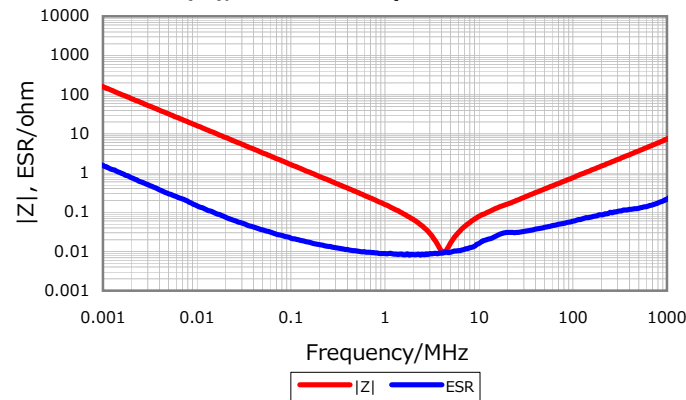
AEC-Q200

Yes

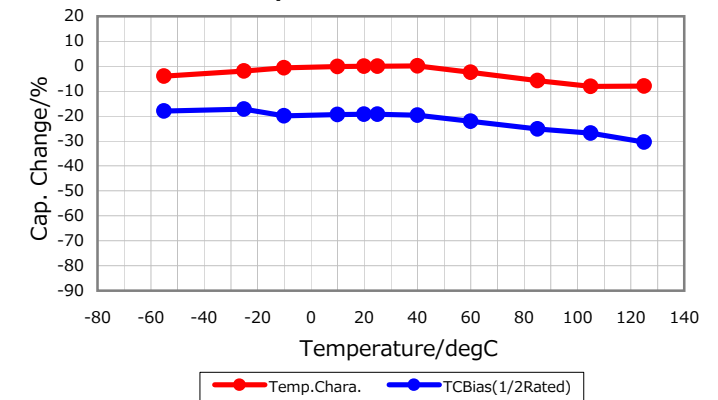
DC Bias Characteristic



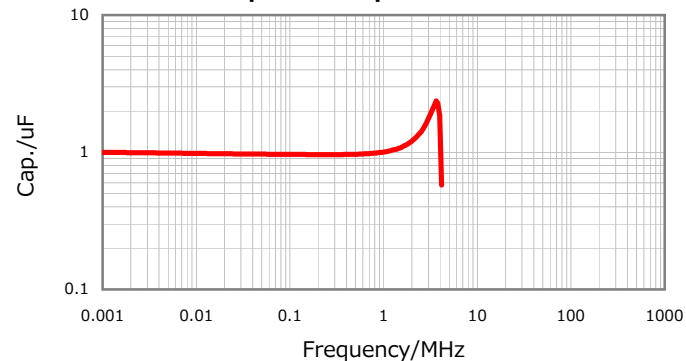
|Z|, ESR vs. Freq. Characteristics



Temperature Characteristics



Cap. vs. Freq. Characteristic



Ripple Temperature Rise Characteristics

