

CGA5H2X8R2A683M115AA

TDK Item Description : CGA5H2X8R2A683MT****



Equivalent C3216X8R2A683M for Automotive

Application & Main Feature

Automotive Grade (High Temperature Application)

Series

CGA5(3216) [EIA CC1206]



Dimensions

- L 3.20mm +/-0.2mm
- W 1.60mm +/-0.2mm
- T 1.15mm +/-0.15mm
- B 0.20mm Min.
- G 1.00mm Min.

Temperature Characteristic

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

Rated Voltage

2A (100Vdc)

Capacitance

68nF

Capacitance Tolerance

M (+/-20%)

Dissipation Factor

3% Max.

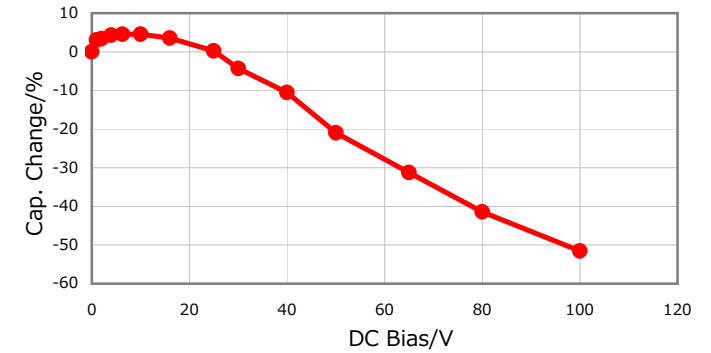
Insulation Resistance

7.35Gohm Min.

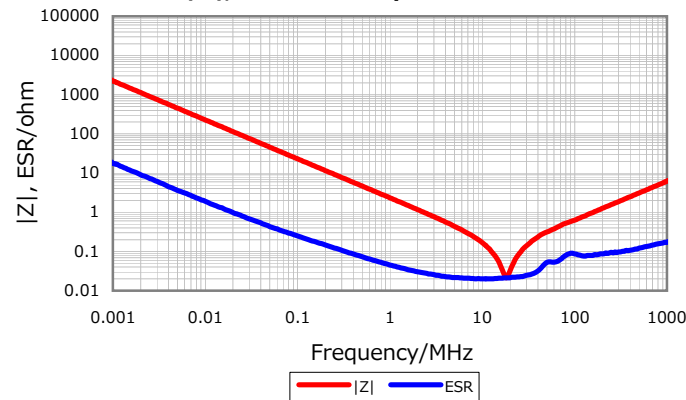
AEC-Q200

Yes

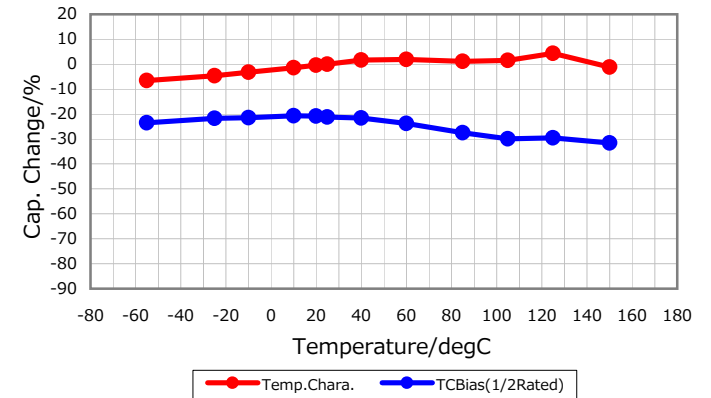
DC Bias Characteristic



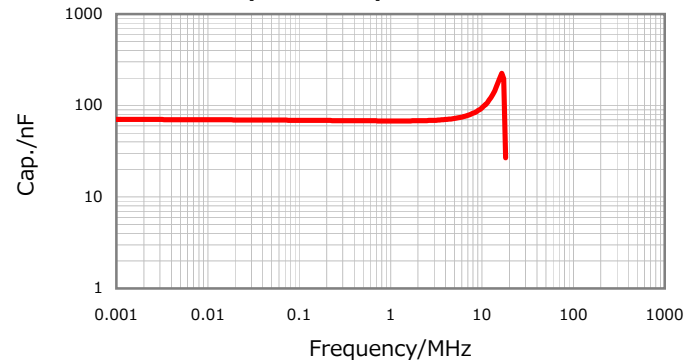
|Z|, ESR vs. Freq. Characteristics



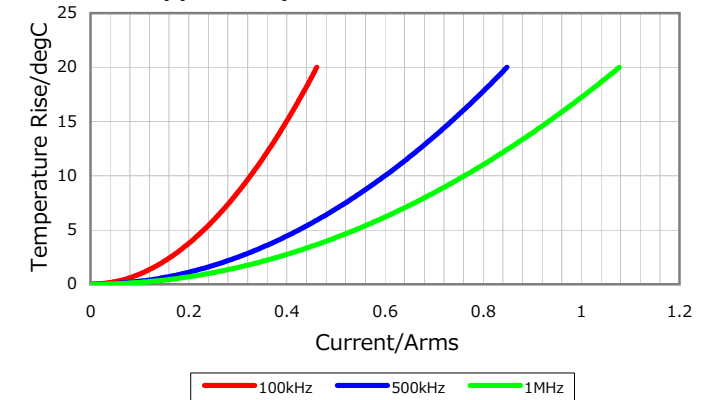
Temperature Characteristics



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