

C1608X8R1H104K080AB

TDK Item Description : C1608X8R1H104KT****



Application & Main Feature

Commercial Grade (High Temperature Application)

Series

C1608 [EIA CC0603]



Dimensions

L 1.60mm +/-0.1mm
 W 0.80mm +/-0.1mm
 T 0.80mm +/-0.1mm
 B 0.20mm Min.
 G 0.30mm Min.

Temperature Characteristic

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

Rated Voltage

1H (50Vdc)

Capacitance

100nF

Capacitance Tolerance

K (+/-10%)

Dissipation Factor

3% Max.

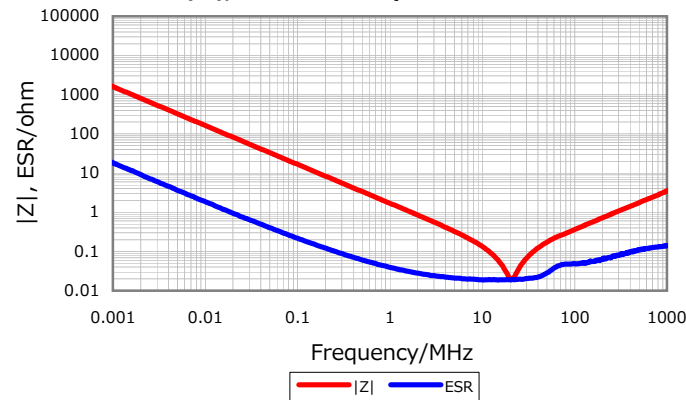
Insulation Resistance

5Gohm Min.

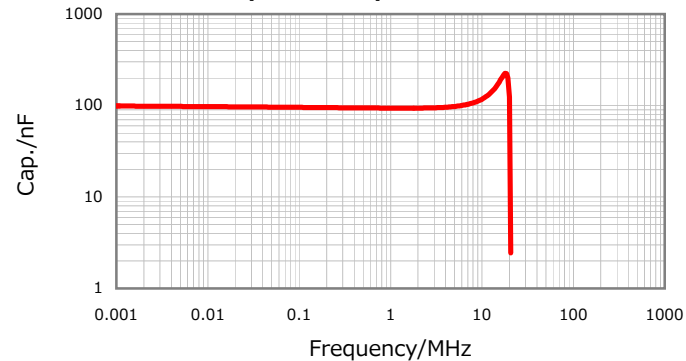
AEC-Q200

Not Applicable

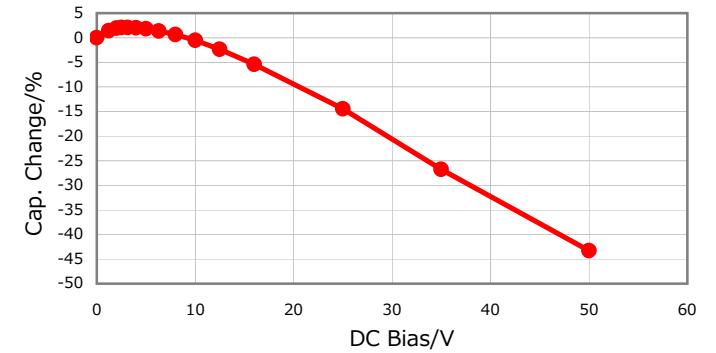
|Z|, ESR vs. Freq. Characteristics



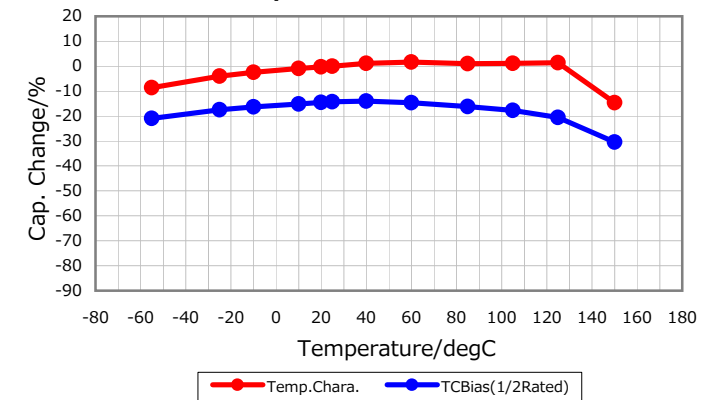
Cap. vs. Freq. Characteristic



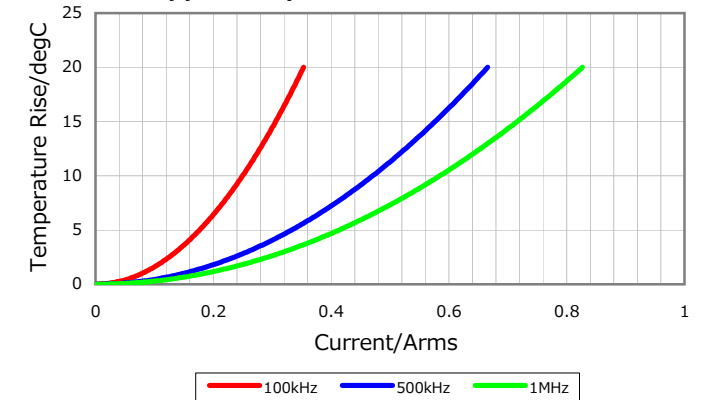
DC Bias Characteristic



Temperature Characteristics



Ripple Temperature Rise Characteristics



Characterization Sheet (Multilayer Ceramic Chip Capacitors)



All specifications are subject to change without notice.

January 3, 2016