

C1608X5R1H683M080AA

TDK Item Description : C1608X5R1H683MT****



Application & Main Feature

Commercial Grade (General (Up to 50V))

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

X5R (-55 to 85 degC +/-15%)

Rated Voltage

1H (50Vdc)

Capacitance

68nF

Capacitance Tolerance

M (+/-20%)

Dissipation Factor

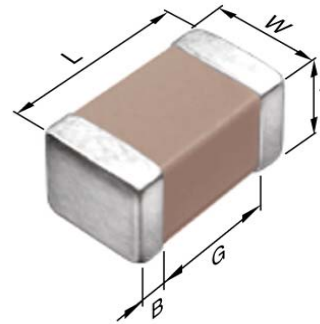
3% Max.

Insulation Resistance

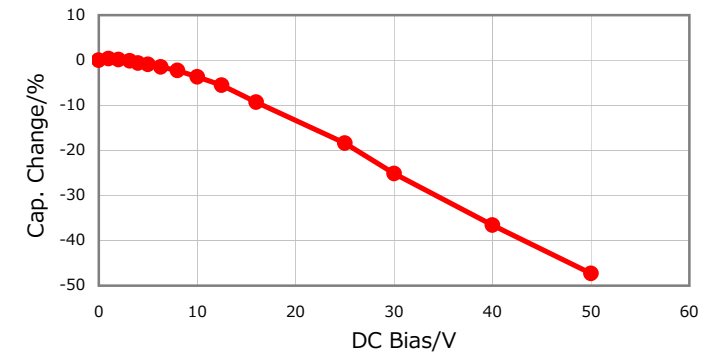
7.35Gohm Min.

AEC-Q200

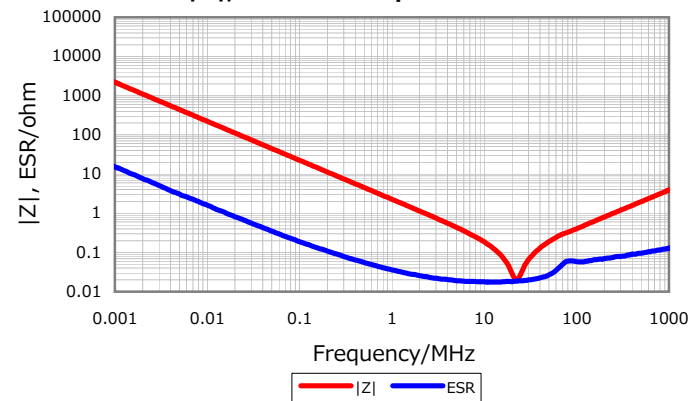
Not Applicable



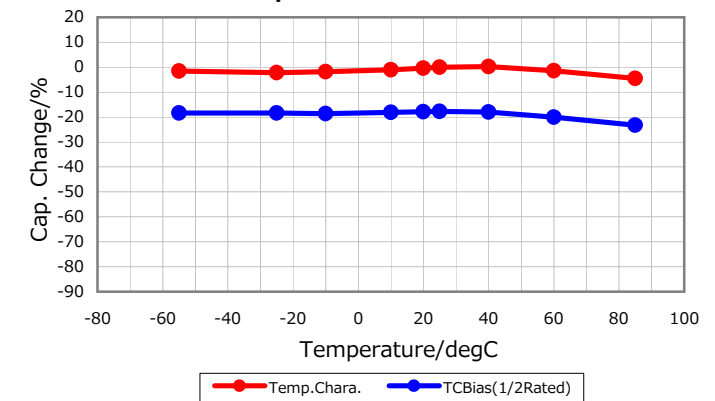
DC Bias Characteristic



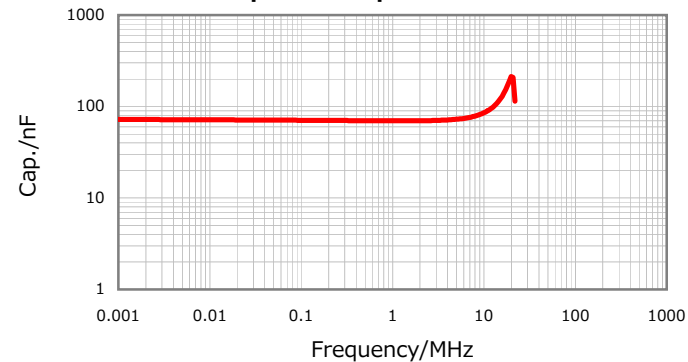
|Z|, ESR vs. Freq. Characteristics



Temperature Characteristics



Cap. vs. Freq. Characteristic



Ripple Temperature Rise Characteristics

