

# C1608X7R1A684K080AC

TDK Item Description : C1608X7R1A684KT\*\*\*\*



## Application & Main Feature

Commercial Grade ( General (Up to 50V) )

## Series

C1608 [EIA CC0603]

## Dimensions

L 1.60mm +0.15,-0.1mm  
W 0.80mm +0.15,-0.1mm  
T 0.80mm +0.15,-0.1mm  
B 0.20mm Min.  
G 0.30mm Min.

## Temperature Characteristic

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

## Rated Voltage

1A (10Vdc)

## Capacitance

680nF

## Capacitance Tolerance

K (+/-10%)

## Dissipation Factor

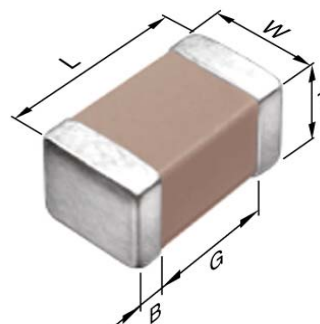
5% Max.

## Insulation Resistance

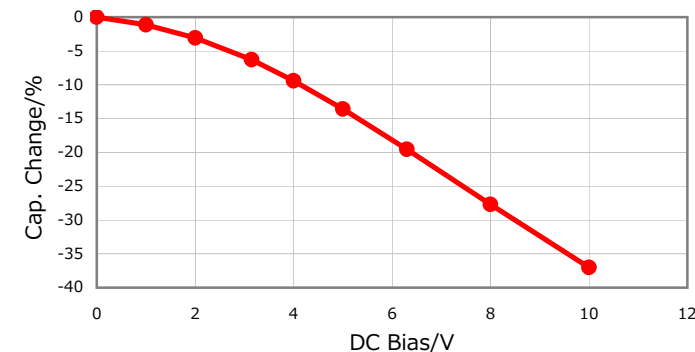
147Mohm Min.

## AEC-Q200

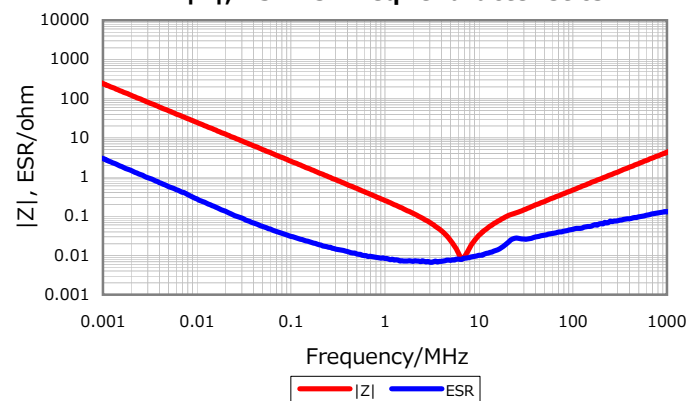
Not Applicable



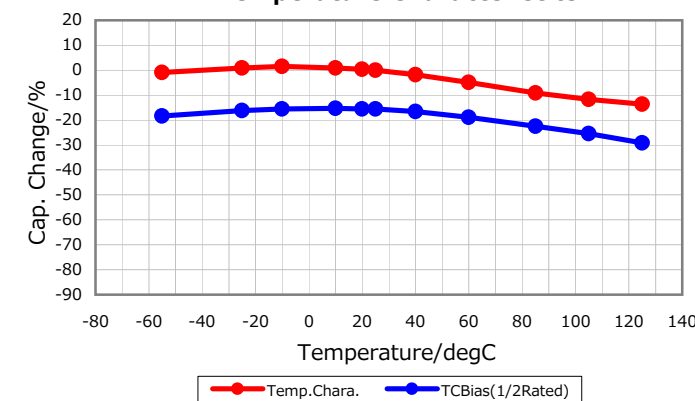
## DC Bias Characteristic



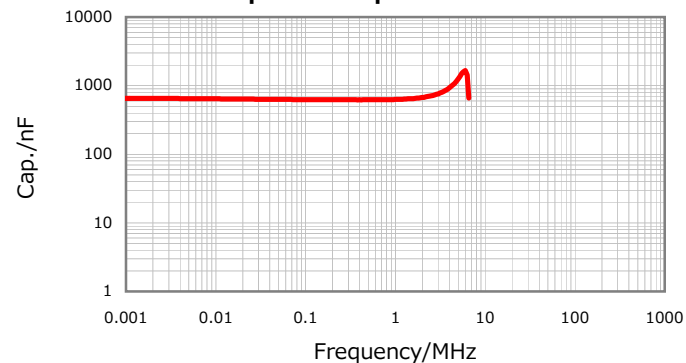
## |Z|, ESR vs. Freq. Characteristics



## Temperature Characteristics



## Cap. vs. Freq. Characteristic



## Ripple Temperature Rise Characteristics

