

# C1608X5R1E224K080AA

TDK Item Description : C1608X5R1E224KT\*\*\*\*



## 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

1E (25Vdc)

## Capacitance

220nF

## Capacitance Tolerance

K (+/-10%)

## Dissipation Factor

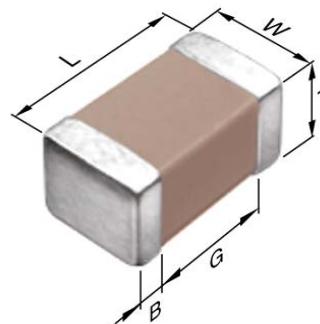
3% Max.

## Insulation Resistance

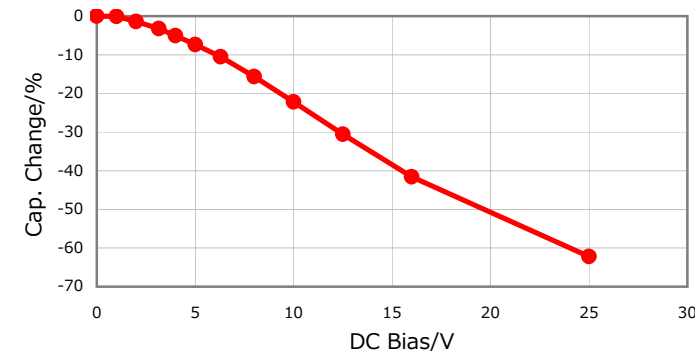
2.27Gohm Min.

## AEC-Q200

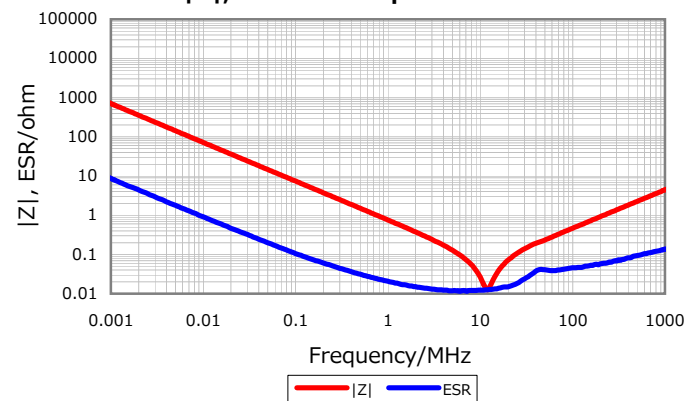
Not Applicable



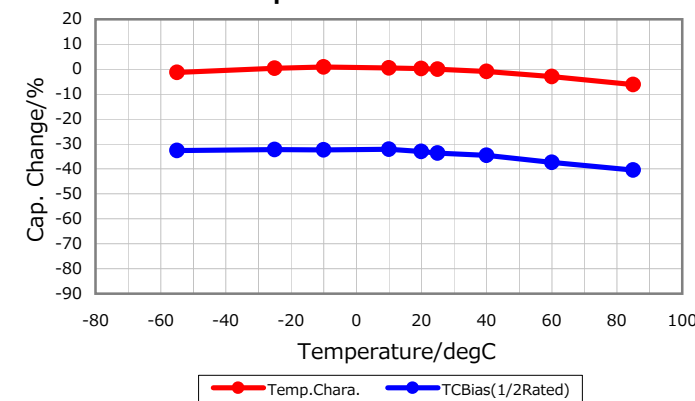
## DC Bias Characteristic



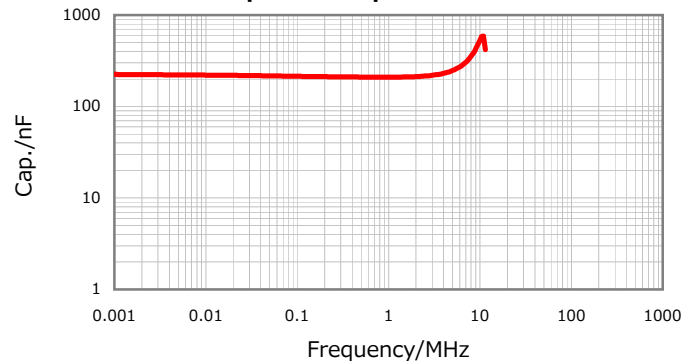
## |Z|, ESR vs. Freq. Characteristics



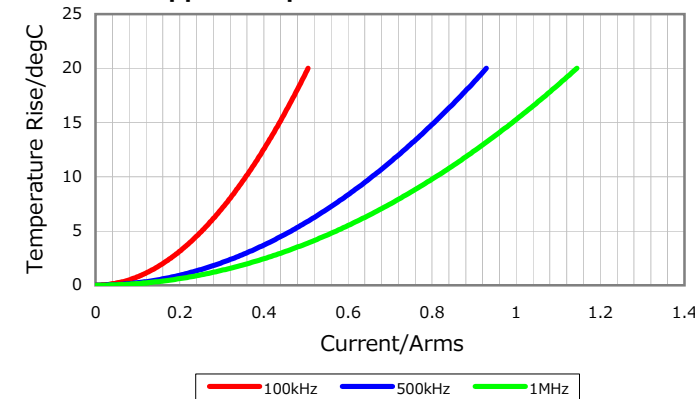
## Temperature Characteristic



## Cap. vs. Freq. Characteristic



## Ripple Temperature Rise Characteristic



All specifications are subject to change without notice.

September 28, 2013