

# C0816X7R1C103M050AC

TDK Item Description : C0816X7R1C103MT\*\*\*\*



## Application & Main Feature

Commercial Grade ( Low ESL Reverse Geometry )

## Series

C0816 [EIA CC0306]



## Dimensions

L 0.80mm +/-0.1mm  
 W 1.60mm +/-0.1mm  
 T 0.50mm +/-0.1mm  
 B 0.10mm Min.

## Temperature Characteristic

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

## Rated Voltage

1C (16Vdc)

## Capacitance

10nF

## Capacitance Tolerance

M (+/-20%)

## Dissipation Factor

5% Max.

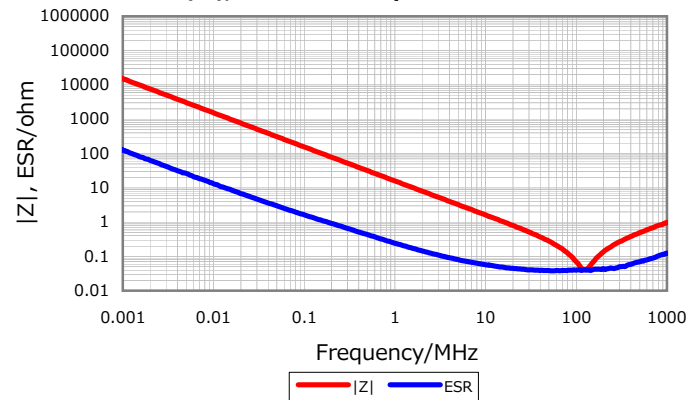
## Insulation Resistance

10Gohm Min.

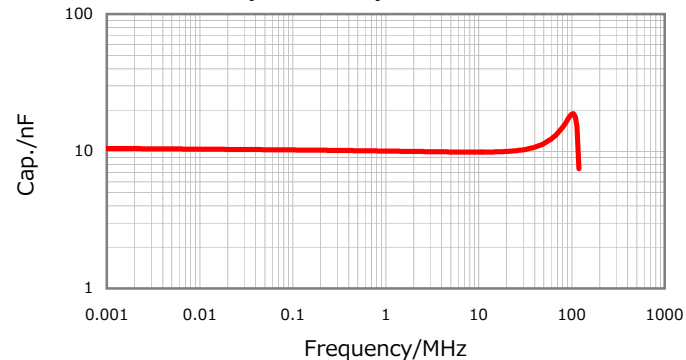
## AEC-Q200

Not Applicable

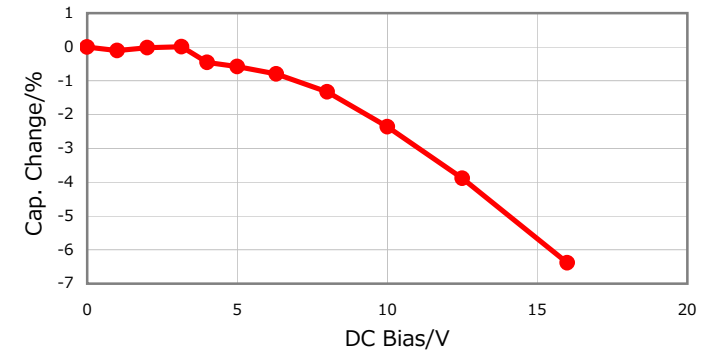
## |Z|, ESR vs. Freq. Characteristics



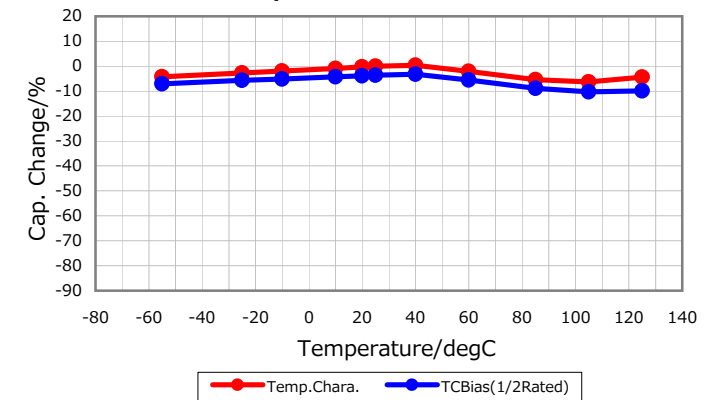
## Cap. vs. Freq. Characteristic



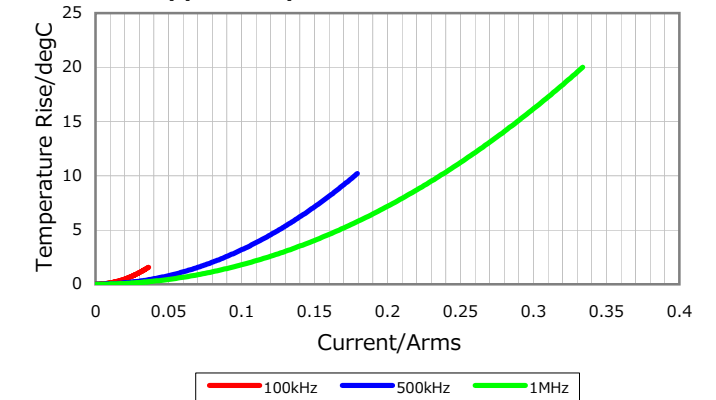
## DC Bias Characteristic



## Temperature Characteristics



## Ripple Temperature Rise Characteristics



Characterization Sheet ( Multilayer Ceramic Chip Capacitors )



All specifications are subject to change without notice.

January 3, 2016