

# C1005X5R1A105K050BB

TDK Item Description : C1005X5R1A105KT\*\*\*\*



## Application & Main Feature

Commercial Grade ( General (Up to 50V) )

## Series

C1005 [EIA CC0402]

## Dimensions

L 1.00mm +/-0.05mm  
W 0.50mm +/-0.05mm  
T 0.50mm +/-0.05mm  
B 0.10mm Min.  
G 0.30mm Min.

## Temperature Characteristic

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

## Rated Voltage

1A (10Vdc)

## Capacitance

1uF

## Capacitance Tolerance

K (+/-10%)

## Dissipation Factor

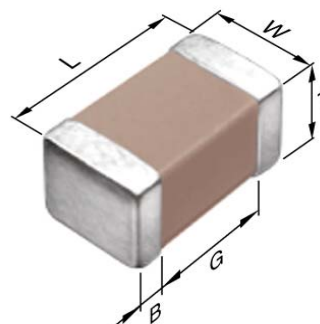
10% Max.

## Insulation Resistance

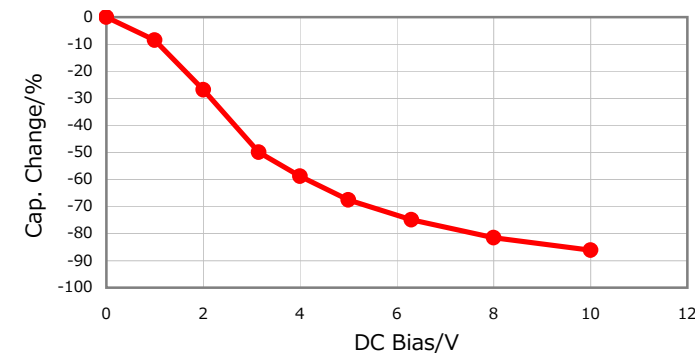
100Mohm Min.

## AEC-Q200

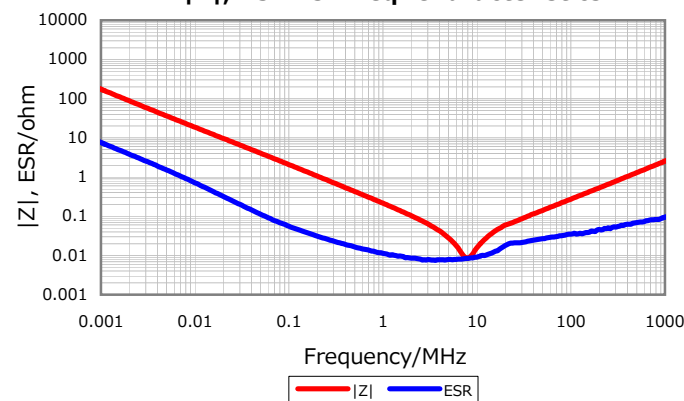
Not Applicable



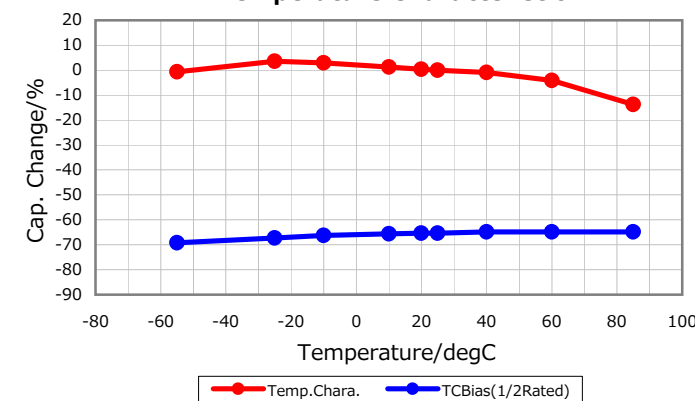
## DC Bias Characteristic



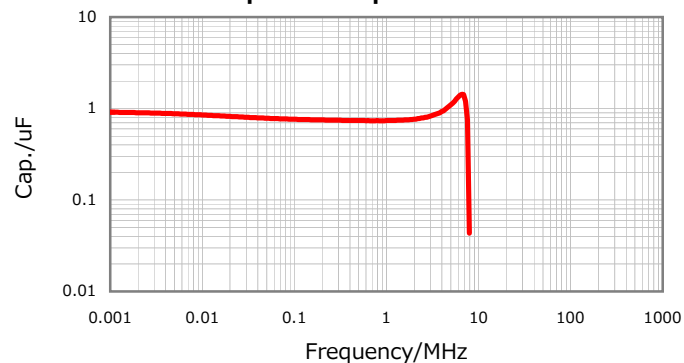
## |Z|, ESR vs. Freq. Characteristics



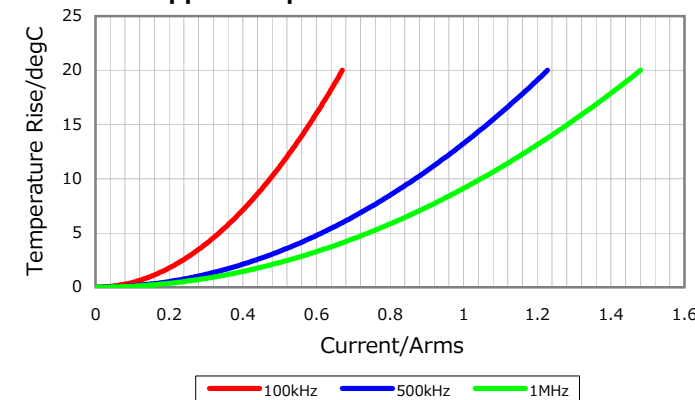
## Temperature Characteristic



## Cap. vs. Freq. Characteristic



## Ripple Temperature Rise Characteristic



All specifications are subject to change without notice.

September 28, 2013