

# C1005X5R1C154M050BB

TDK Item Description : C1005X5R1C154MT\*\*\*\*



## 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

1C (16Vdc)

## Capacitance

150nF

## Capacitance Tolerance

M (+/-20%)

## Dissipation Factor

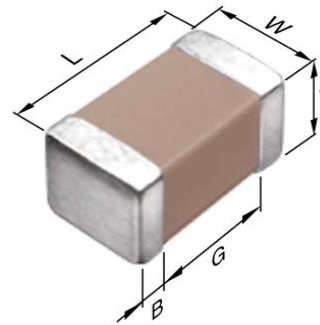
10% Max.

## Insulation Resistance

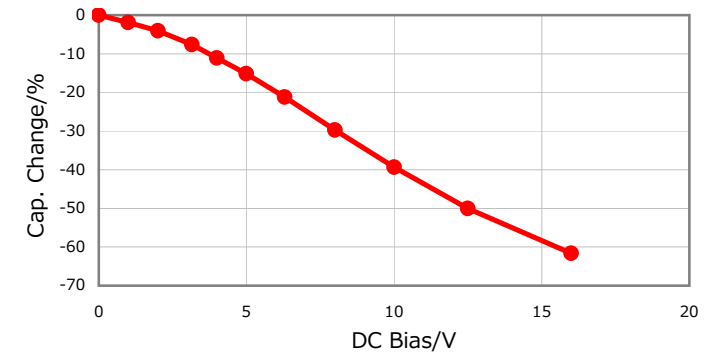
666Mohm Min.

## AEC-Q200

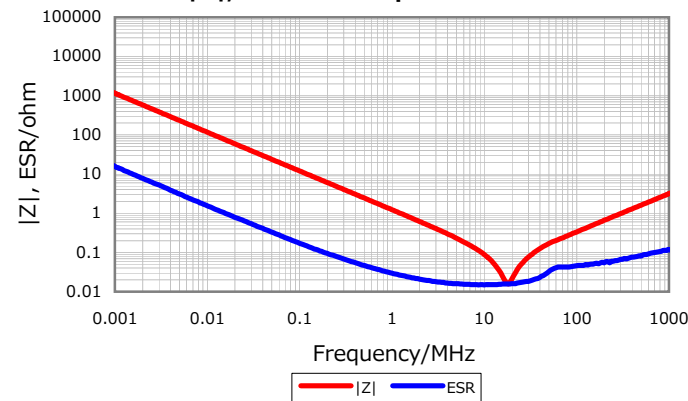
Not Applicable



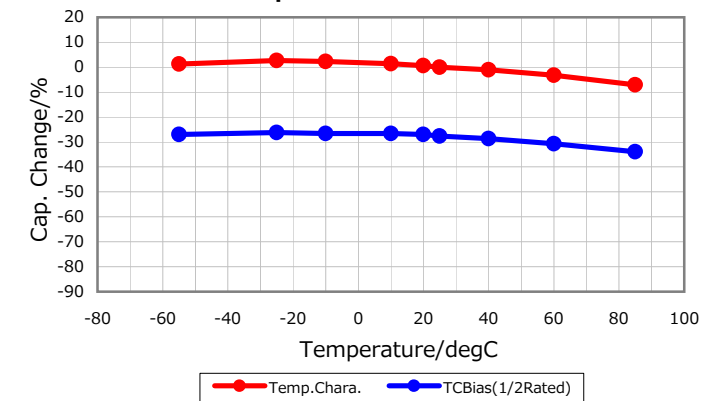
## DC Bias Characteristic



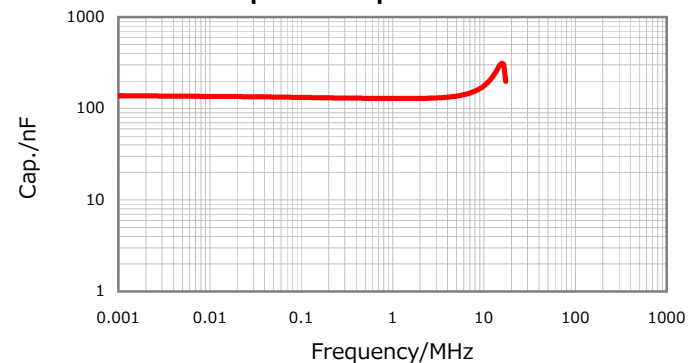
## |Z|, ESR vs. Freq. Characteristics



## Temperature Characteristics



## Cap. vs. Freq. Characteristic



## Ripple Temperature Rise Characteristics

