

# C1005X8R1E682M050BA

TDK Item Description : C1005X8R1E682MT\*\*\*\*



## Application & Main Feature

Commercial Grade ( High Temperature Application )

## 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

X8R (-55 to 150 degC +/-15%)

## Rated Voltage

1E (25Vdc)

## Capacitance

6.8nF

## Capacitance Tolerance

M (+/-20%)

## Dissipation Factor

3% Max.

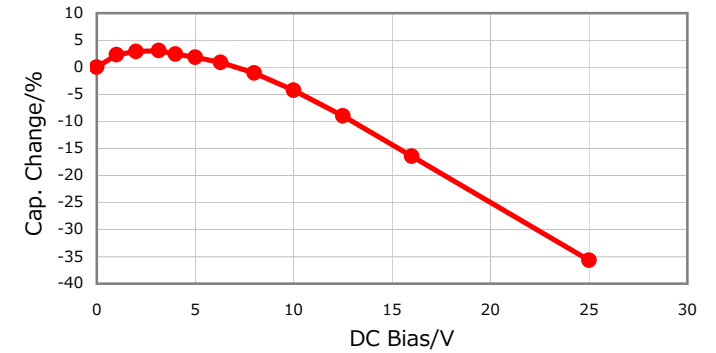
## Insulation Resistance

10Gohm Min.

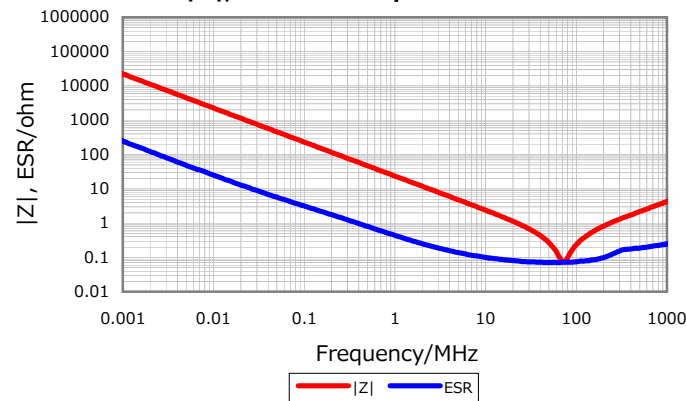
## AEC-Q200

Not Applicable

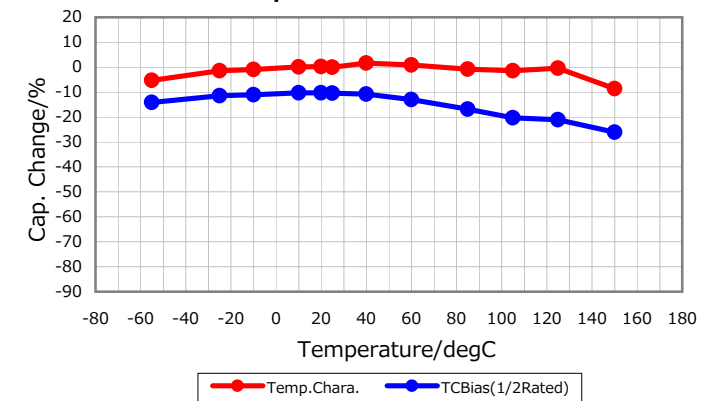
## DC Bias Characteristic



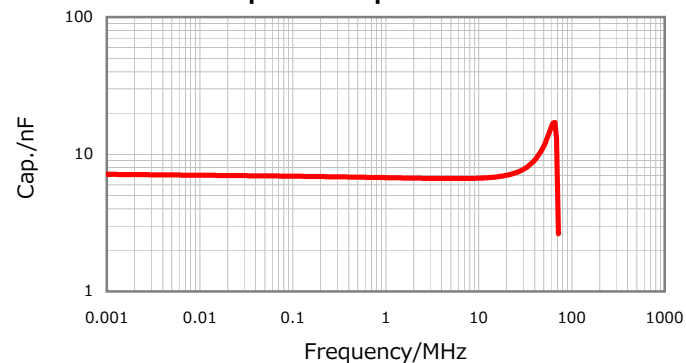
## |Z|, ESR vs. Freq. Characteristics



## Temperature Characteristics



## Cap. vs. Freq. Characteristic



## Ripple Temperature Rise Characteristics

