

# C1005X8R1H151M050BE

TDK Item Description : C1005X8R1H151MT\*\*\*S

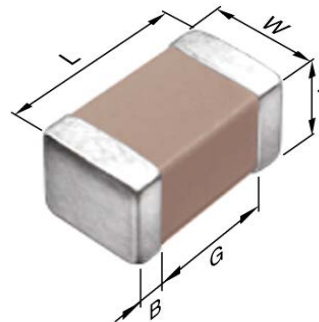


## Application & Main Feature

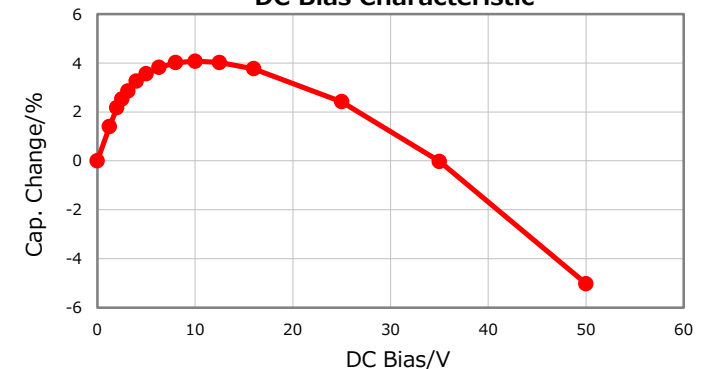
Commercial Grade ( Soft Termination )

## Series

C1005 [EIA CC0402]



## DC Bias Characteristic



## Dimensions

|   |                      |
|---|----------------------|
| L | 1.00mm +0.15,-0.05mm |
| W | 0.50mm +0.1,-0.05mm  |
| T | 0.50mm +0.1,-0.05mm  |
| B | 0.10mm Min.          |
| G | 0.30mm Min.          |

## Temperature Characteristic

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

## Rated Voltage

1H (50Vdc)

## Capacitance

150pF

## Capacitance Tolerance

M (+/-20%)

## Dissipation Factor

3% Max.

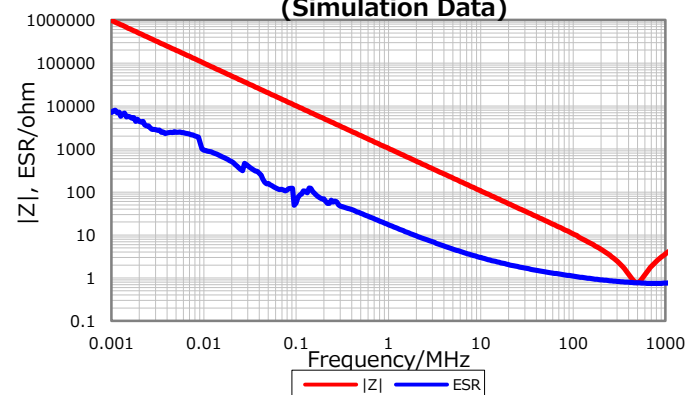
## Insulation Resistance

10Gohm Min

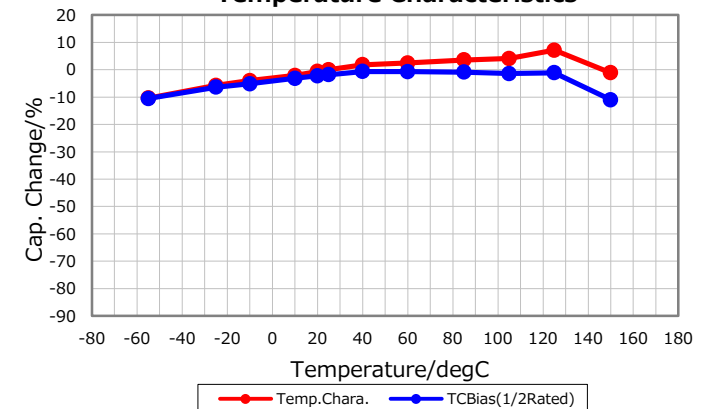
## AEC-Q200

Not Applicable

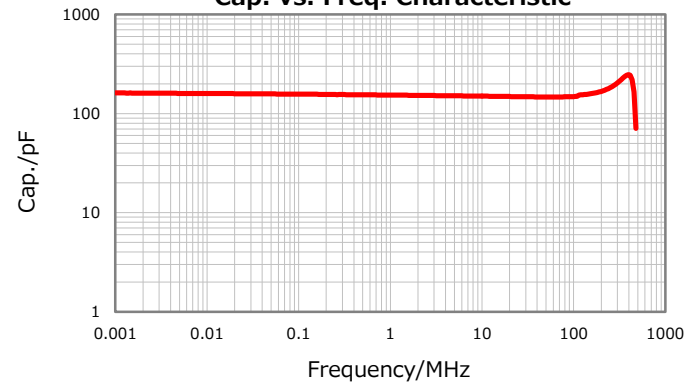
## |Z|, ESR vs. Freq. Characteristics (Simulation Data)



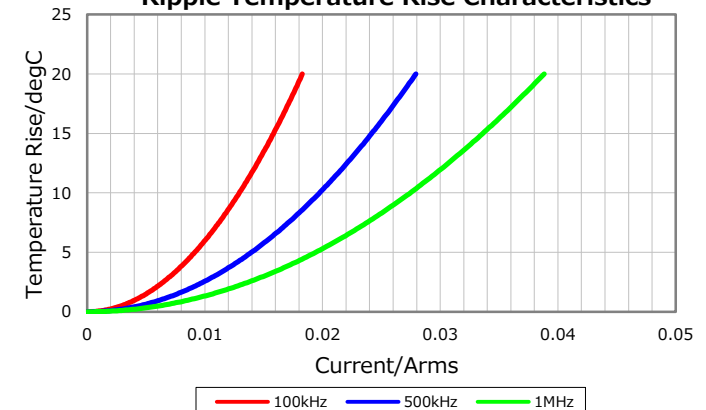
## Temperature Characteristics



## Cap. vs. Freq. Characteristic



## Ripple Temperature Rise Characteristics



All specifications are subject to change without notice.

March 16, 2017