

# C1005X8R2A331M050BA

TDK Item Description : C1005X8R2A331MT\*\*\*\*

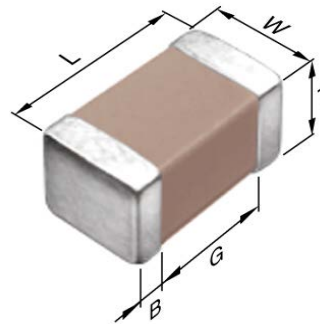


## Application & Main Feature

Commercial Grade ( High Temperature Application ) )

## Series

C1005 [EIA 0402]



## 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

2A (100Vdc)

## Capacitance

330pF

## Capacitance Tolerance

M (+/-20%)

## Dissipation Factor

3% Max.

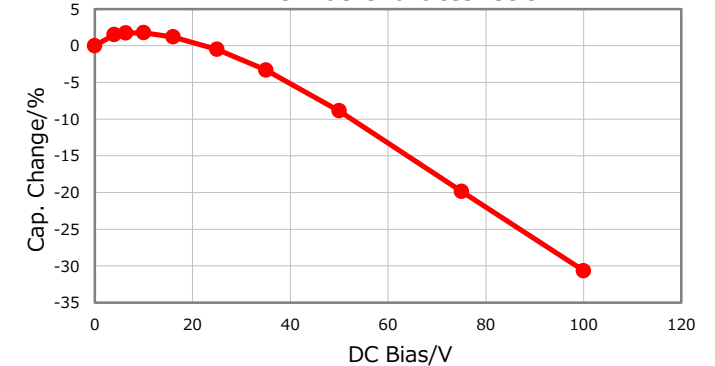
## Insulation Resistance

10Gohm Min

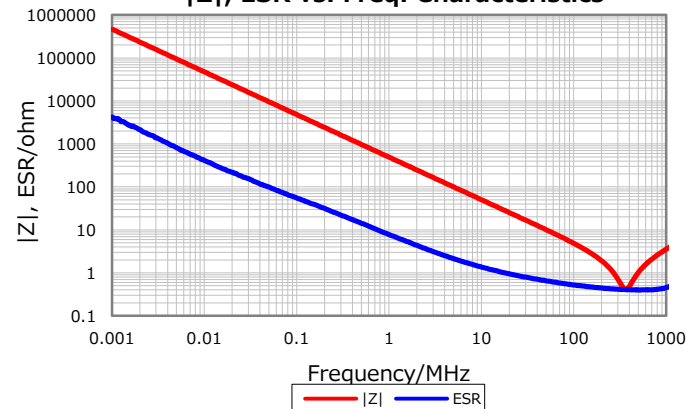
## AEC-Q200

Not Applicable

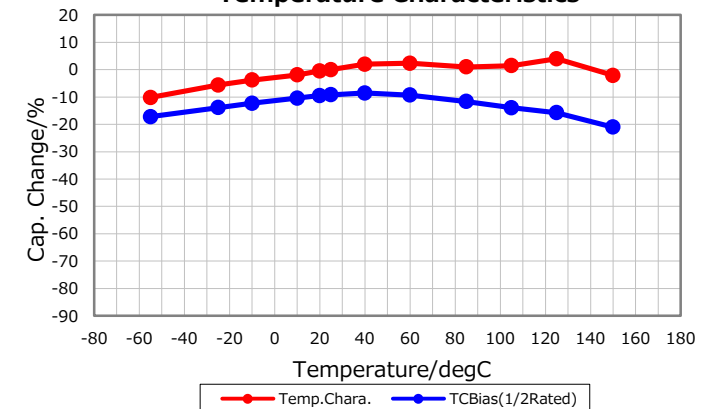
## DC Bias Characteristic



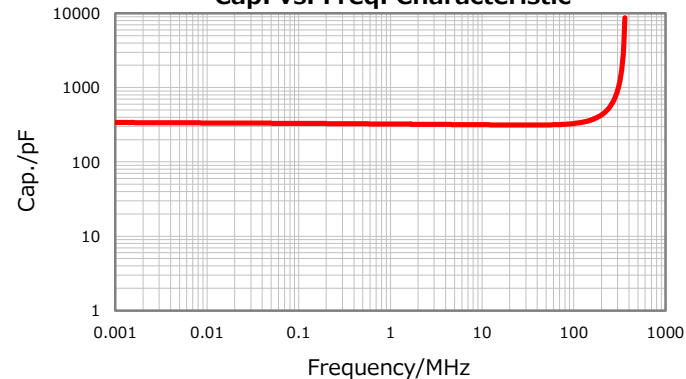
## |Z|, ESR vs. Freq. Characteristics



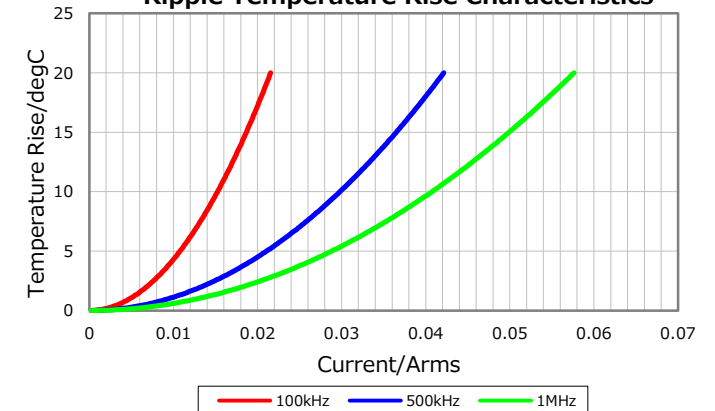
## Temperature Characteristics



## Cap. vs. Freq. Characteristic



## Ripple Temperature Rise Characteristics



All specifications are subject to change without notice.

July 6, 2016