

# C1005X5R1E155K050BC

TDK Item Description : C1005X5R1E155KT\*\*\*\*

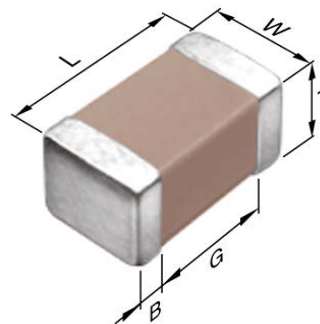


## Application & Main Feature

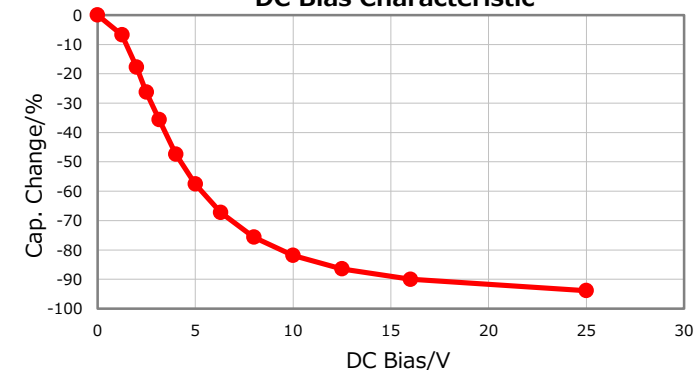
Commercial Grade ( General (Up to 50V) )

## Series

C1005 [EIA 0402]



## DC Bias Characteristic



## Dimensions

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

## Temperature Characteristic

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

## Rated Voltage

1E (25Vdc)

## Capacitance

1.5uF

## Capacitance Tolerance

K (+/-10%)

## Dissipation Factor

10% Max.

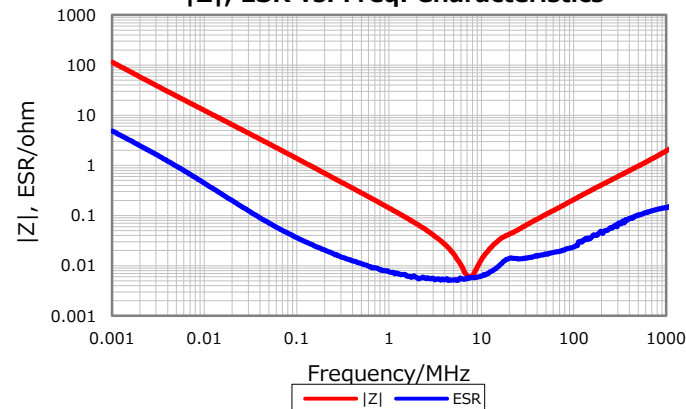
## Insulation Resistance

66Mohm Min.

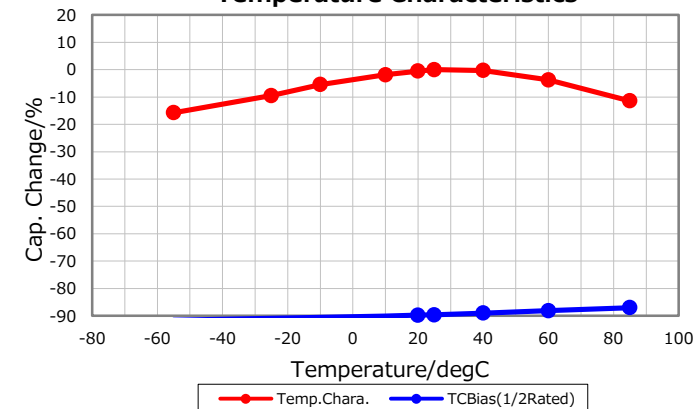
## AEC-Q200

Not Applicable

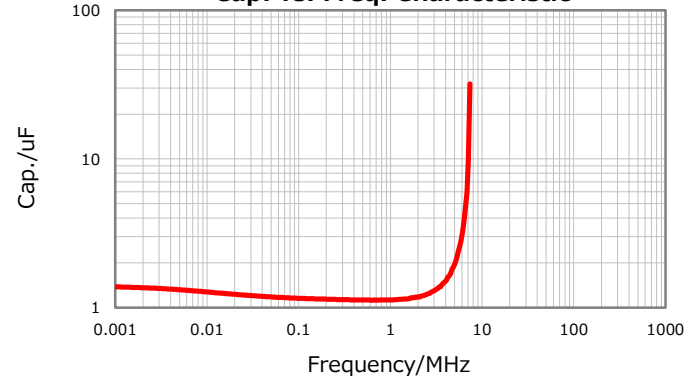
## |Z|, ESR vs. Freq. Characteristics



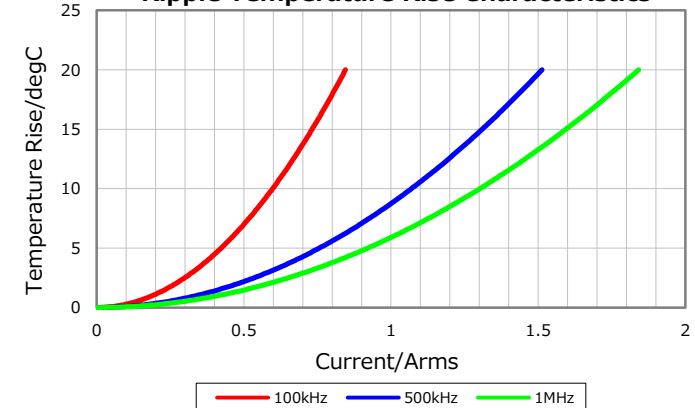
## Temperature Characteristics



## Cap. vs. Freq. Characteristic



## Ripple Temperature Rise Characteristics



All specifications are subject to change without notice.

July 6, 2016