

# C1005NP02A271J050BA

TDK Item Description : C1005NP02A271J\*\*\*\*



## 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

NP0 (-55 to 150 degC 0+/-30ppm/degC)

## Rated Voltage

2A (100Vdc)

## Capacitance

270pF

## Capacitance Tolerance

J (+/-5%)

## Q Factor

1000 Min.

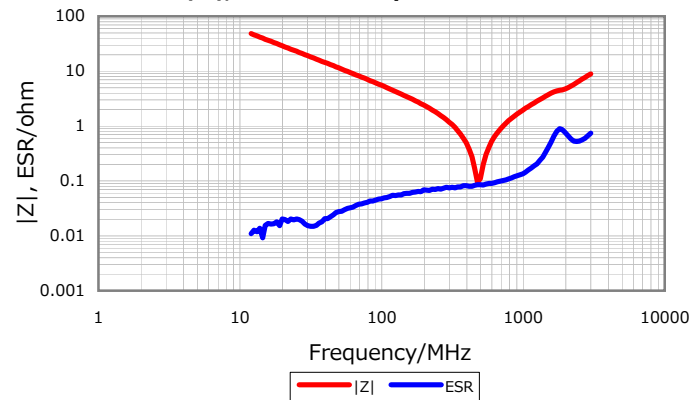
## Insulation Resistance

10Gohm Min.

## AEC-Q200

Not Applicable

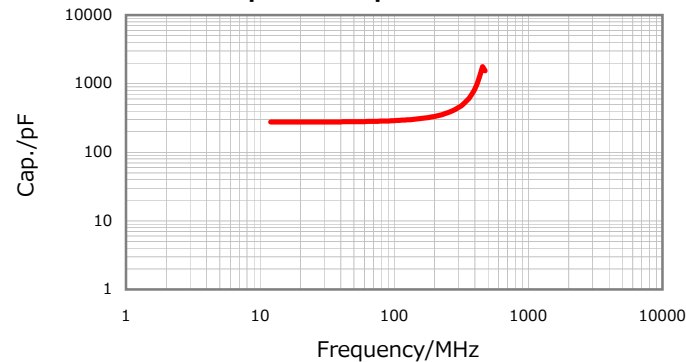
### |Z|, ESR vs. Freq. Characteristics



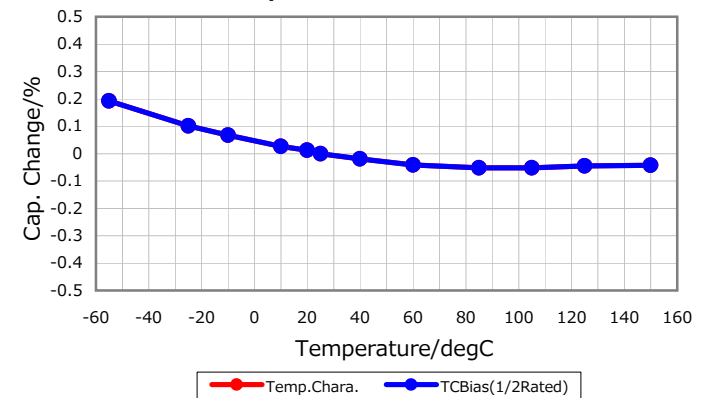
### DC Bias Characteristic



### Cap. vs. Freq. Characteristic



### Temperature Characteristics



Characterization Sheet ( Multilayer Ceramic Chip Capacitors )



All specifications are subject to change without notice.

January 3, 2016