

# CGA2B2C0G1H4R7C050BD

TDK Item Description : CGA2B2C0G1H4R7CT\*\*\*B



Equivalent C1005C0G1H4R7C for Automotive

## Application & Main Feature

Automotive Grade ( Conductive Epoxy Application )

## Series

CGA2(1005) [EIA CC0402]



## Dimensions

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

## Temperature Characteristic

C0G (-55 to 125 degC 0+/-30ppm/degC)

## Rated Voltage

1H (50Vdc)

## Capacitance

4.7pF

## Capacitance Tolerance

C (+/-0.25pF)

## Q Factor

494 Min.

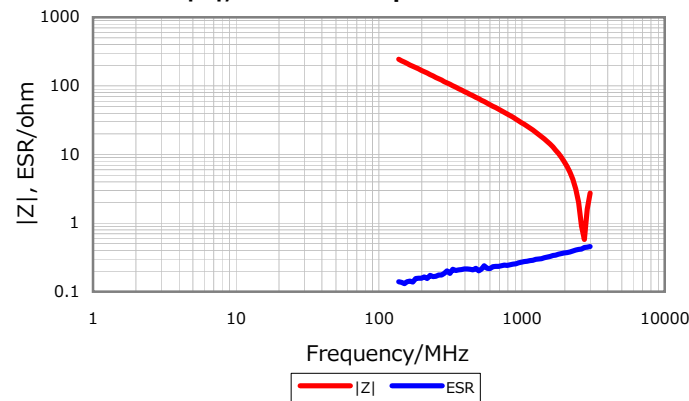
## Insulation Resistance

10Gohm Min.

## AEC-Q200

Yes

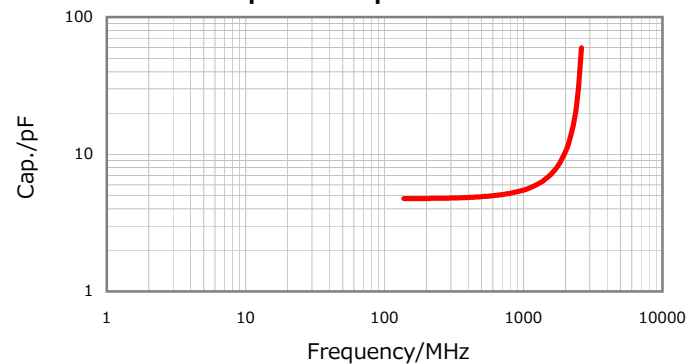
**|Z|, ESR vs. Freq. Characteristics**



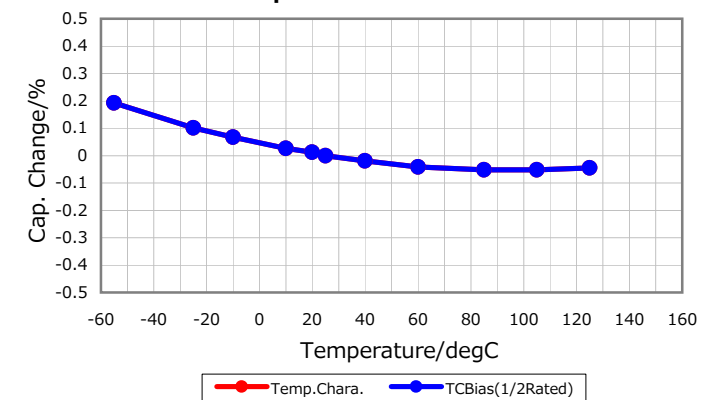
**DC Bias Characteristic**



**Cap. vs. Freq. Characteristic**



**Temperature Characteristics**



Characterization Sheet ( Multilayer Ceramic Chip Capacitors )



All specifications are subject to change without notice.

January 4, 2016