

# CGA1A2C0G1E090D030BA

TDK Item Description : CGA1A2C0G1E090DT\*\*\*\*



Equivalent C0603C0G1E090D for Automotive

## Application & Main Feature

Automotive Grade ( General (Up to 50V) )

## Series

CGA1(0603) [EIA CC0201]



## Dimensions

L 0.60mm +/-0.03mm  
W 0.30mm +/-0.03mm  
T 0.30mm +/-0.03mm  
B 0.10mm Min.  
G 0.20mm Min.

## Temperature Characteristic

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

## Rated Voltage

1E (25Vdc)

## Capacitance

9pF

## Capacitance Tolerance

D (+/-0.5pF)

## Q Factor

580 Min.

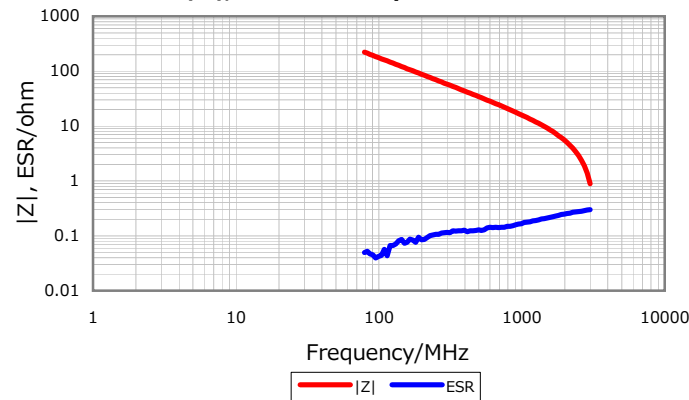
## Insulation Resistance

10Gohm Min.

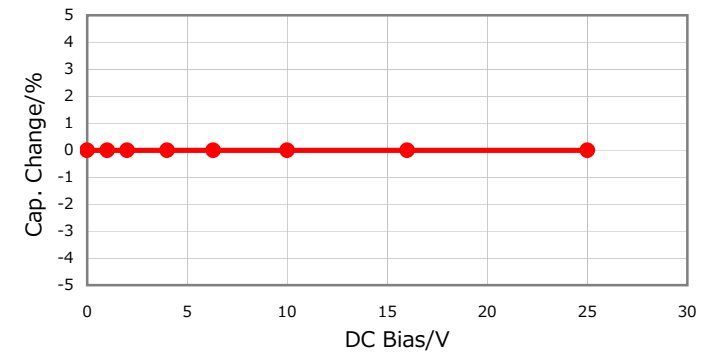
## AEC-Q200

Yes

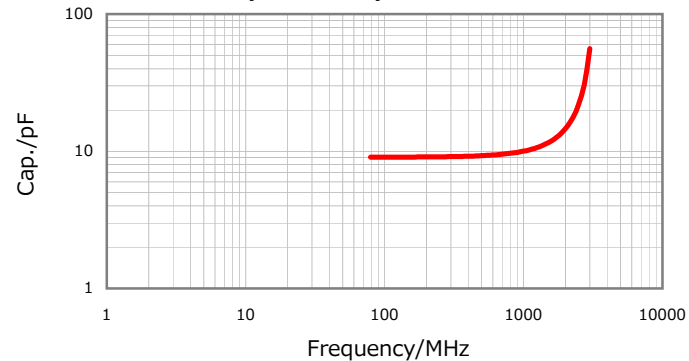
### |Z|, ESR vs. Freq. Characteristics



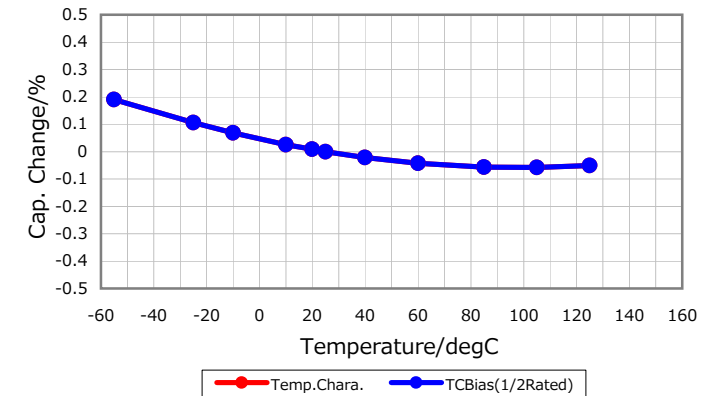
### DC Bias Characteristic



### Cap. vs. Freq. Characteristic



### Temperature Characteristics



Characterization Sheet ( Multilayer Ceramic Chip Capacitors )



⚠ All specifications are subject to change without notice.

January 4, 2016