

# CGA3E2C0G1H102J080AD

TDK Item Description : CGA3E2C0G1H102JT\*\*\*B



Equivalent C1608C0G1H102J for Automotive

## Application & Main Feature

Automotive Grade ( Conductive Epoxy Application )

## Series

CGA3(1608) [EIA 0603]



## Dimensions

|   |                |
|---|----------------|
| L | 1.60mm ±0.15mm |
| W | 0.80mm ±0.15mm |
| T | 0.80mm ±0.15mm |
| B | 0.20mm Min.    |
| G | 0.30mm Min.    |

## Temperature Characteristic

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

## Rated Voltage

1H(50Vdc)

## Capacitance

1nF

## Capacitance Tolerance

J (±5%)

## Q Factor

1000 Min.

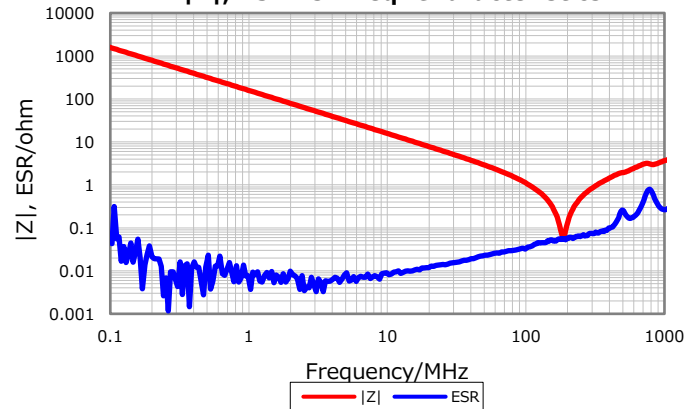
## Insulation Resistance

10Gohm Min

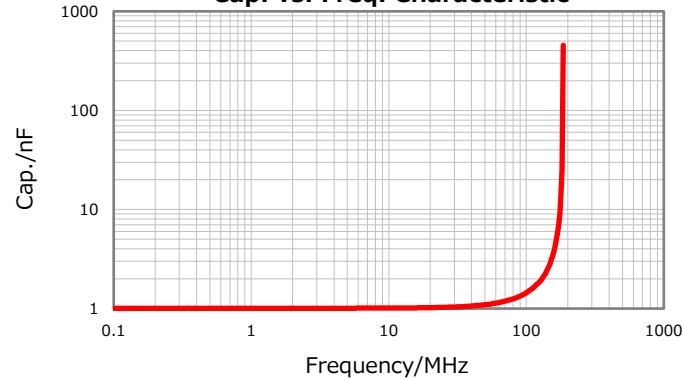
## AEC-Q200

Yes

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



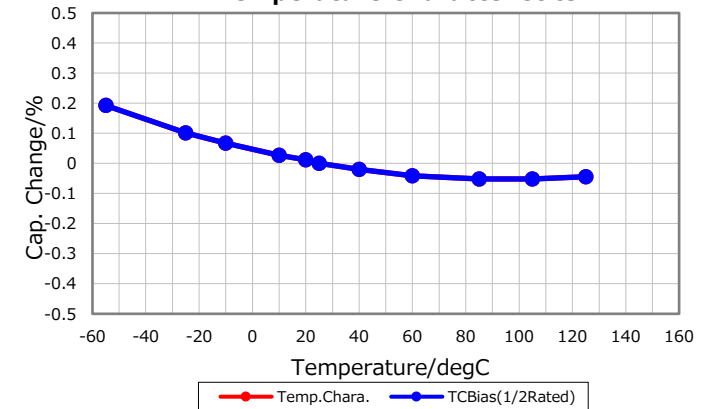
## Cap. vs. Freq. Characteristic



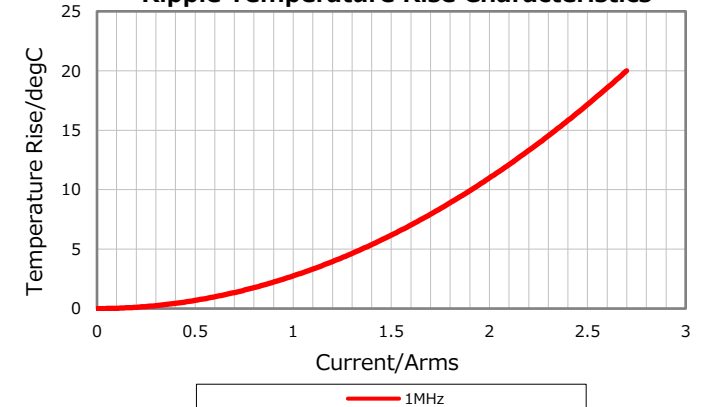
## DC Bias Characteristic



## Temperature Characteristics



## Ripple Temperature Rise Characteristics



Characterization Sheet ( Multilayer Ceramic Chip Capacitors )



All specifications are subject to change without notice.

May 22, 2019