

# CGA4J2C0G1H333J125AE

TDK Item Description : CGA4J2C0G1H333JT\*\*\*S



Equivalent C2012C0G1H333J for Automotive

## Application & Main Feature

Automotive Grade ( Soft Termination )

## Series

CGA4(2012) [EIA 0805]



## Dimensions

L	2.00mm +0.45,-0.2mm
W	1.25mm +0.25,-0.2mm
T	1.25mm +0.25,-0.2mm
B	0.20mm Min.
G	0.50mm Min.

## Temperature Characteristic

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

## Rated Voltage

1H(50Vdc)

## Capacitance

33nF

## Capacitance Tolerance

J (±5%)

## Q Factor

1000 Min.

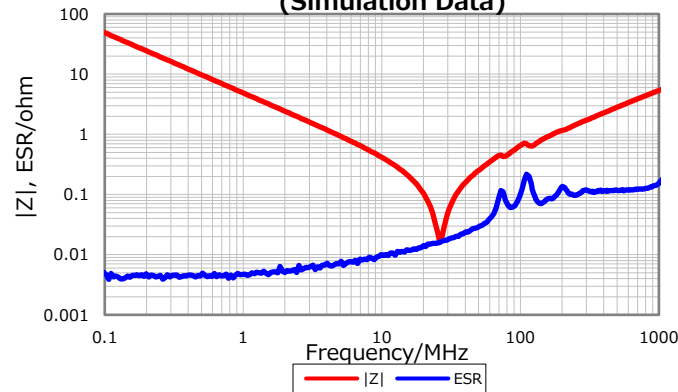
## Insulation Resistance

10Gohm Min

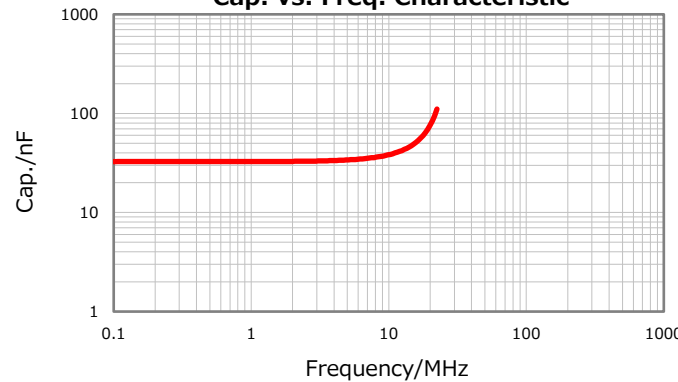
## AEC-Q200

Yes

**|Z|, ESR vs. Freq. Characteristics (Simulation Data)**



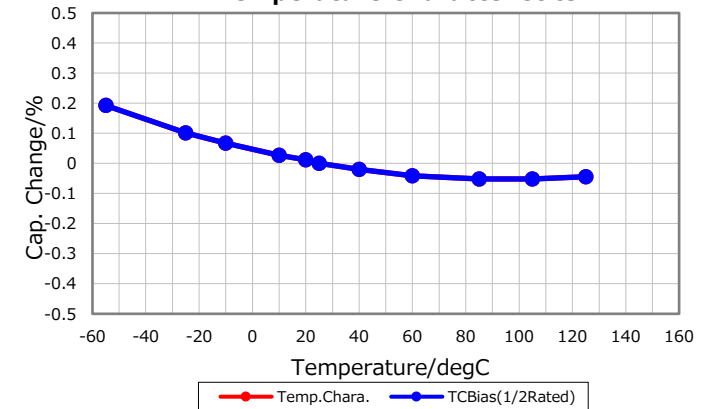
**Cap. vs. Freq. Characteristic**



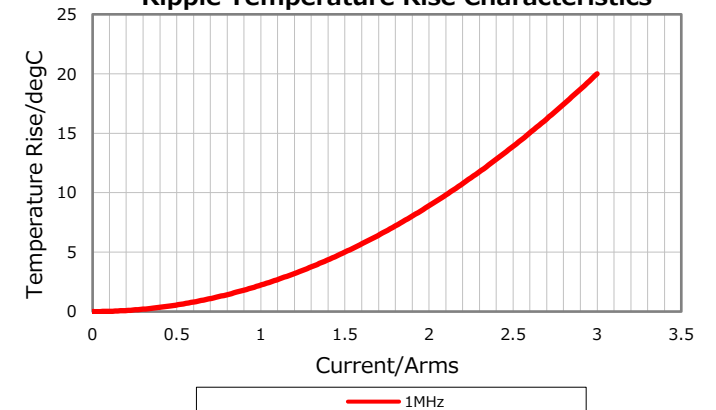
**DC Bias Characteristic**



**Temperature Characteristics**



**Ripple Temperature Rise Characteristics**



Characterization Sheet ( Multilayer Ceramic Chip Capacitors )



All specifications are subject to change without notice.

June 24, 2019