

# CGA5L1C0G2A683J160AE

TDK Item Description : CGA5L1C0G2A683JT\*\*\*S



Equivalent C3216C0G2A683J for Automotive

## Application & Main Feature

Automotive Grade ( Soft Termination )

## Series

CGA5(3216) [EIA 1206]



## Dimensions

L	3.20mm +0.4,-0.2mm
W	1.60mm +0.3,-0.2mm
T	1.60mm +0.3,-0.2mm
B	0.20mm Min.
G	1.00mm Min.

## Temperature Characteristic

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

## Rated Voltage

2A(100Vdc)

## Capacitance

68nF

## Capacitance Tolerance

J (±5%)

## Q Factor

1000 Min.

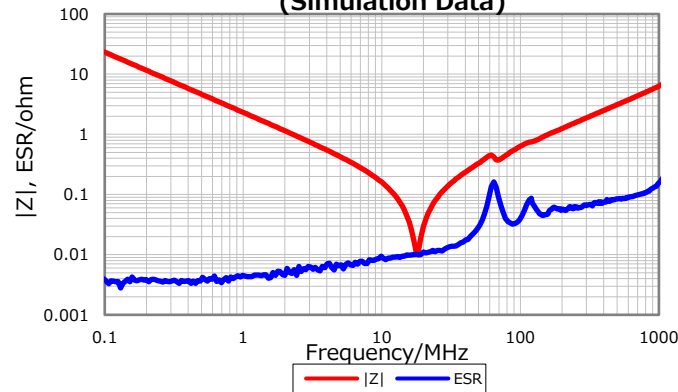
## Insulation Resistance

7.352Gohm Min

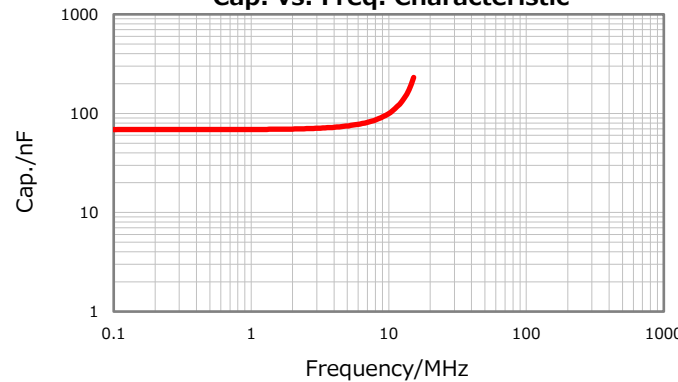
## AEC-Q200

Yes

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



**Cap. vs. Freq. Characteristic**



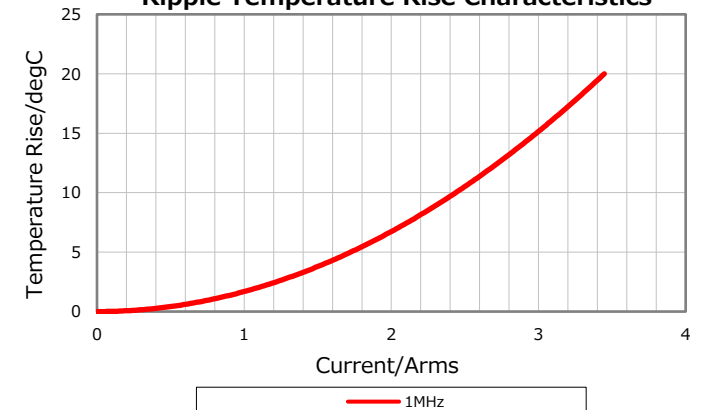
**DC Bias Characteristic**



**Temperature Characteristics**



**Ripple Temperature Rise Characteristics**



Characterization Sheet ( Multilayer Ceramic Chip Capacitors )



All specifications are subject to change without notice.

June 24, 2019