

# CGA4J2NP02A682J125AA

TDK Item Description : CGA4J2NP02A682JT\*\*\*



Equivalent C2012NP02A682J for Automotive

## Application & Main Feature

Automotive Grade ( High Temperature Application )

## Series

CGA4(2012) [EIA 0805]



## Dimensions

L	2.00mm ±0.20mm
W	1.25mm ±0.20mm
T	1.25mm ±0.20mm
B	0.20mm Min.
G	0.50mm Min.

## Temperature Characteristic

NP0 (-55 to 150 degC 0+/-30ppm/degC)

## Rated Voltage

2A(100Vdc)

## Capacitance

6.8nF

## Capacitance Tolerance

J (±5%)

## Q Factor

1000 Min.

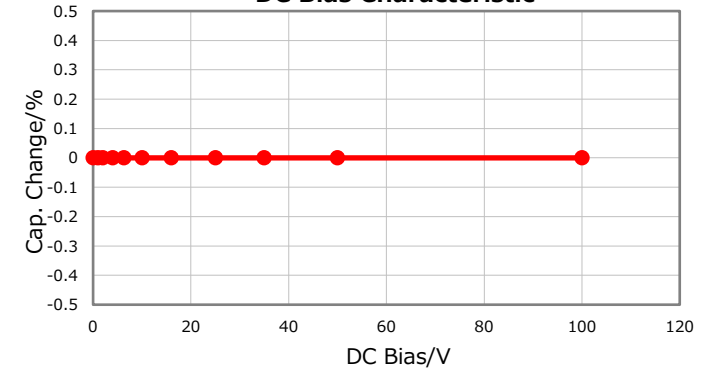
## Insulation Resistance

10Gohm Min

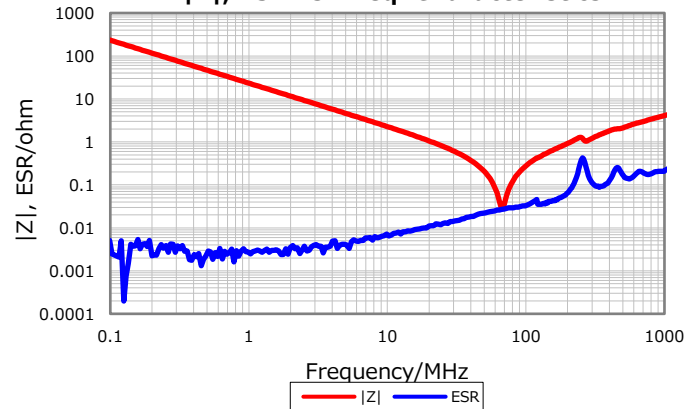
## AEC-Q200

Yes

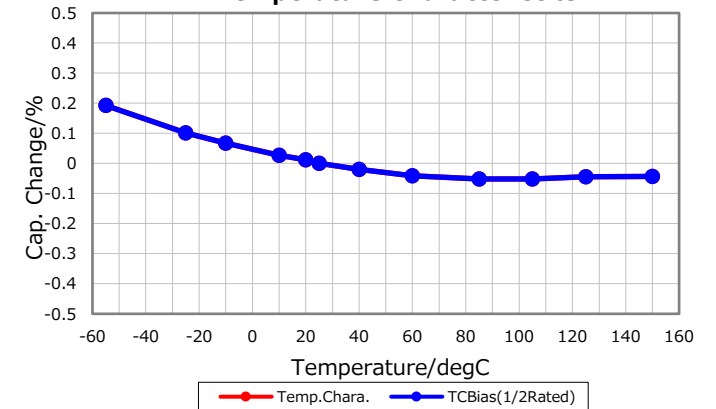
## DC Bias Characteristic



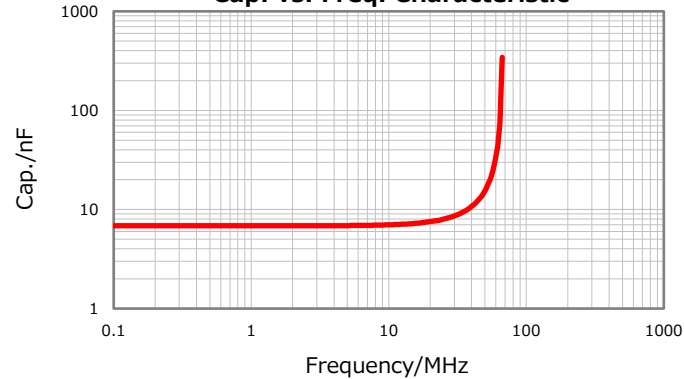
## |Z|, ESR vs. Freq. Characteristics



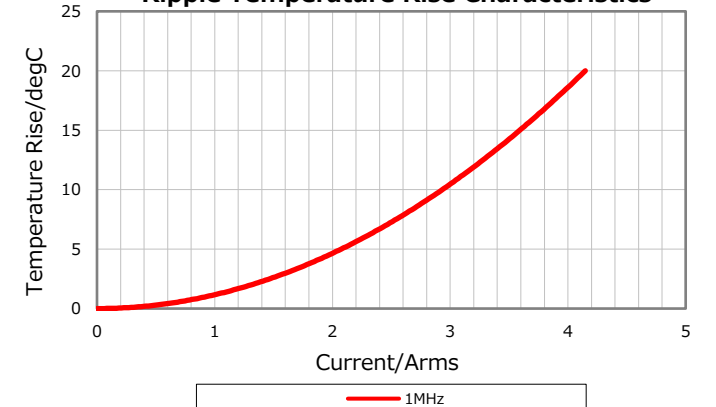
## Temperature Characteristics



## Cap. vs. Freq. Characteristic



## Ripple Temperature Rise Characteristics



Characterization Sheet ( Multilayer Ceramic Chip Capacitors )



All specifications are subject to change without notice.

July 2, 2019