

# CGA4J2X8R1H683K125AM

TDK Item Description : CGA4J2X8R1H683KT5\*\*\*



Equivalent C2012X8R1H683K for Automotive

## Application & Main Feature

Automotive Grade ( Open Mode )

## Series

CGA4(2012) [EIA CC0805]



## Dimensions

L 2.00mm +/-0.2mm  
 W 1.25mm +/-0.2mm  
 T 1.25mm +/-0.2mm  
 B 0.20mm Min.  
 G 0.50mm Min.

## Temperature Characteristic

X8R (-55 to 150 degC +/-15%)

## Rated Voltage

1H (50Vdc)

## Capacitance

68nF

## Capacitance Tolerance

K (+/-10%)

## Dissipation Factor

3% Max.

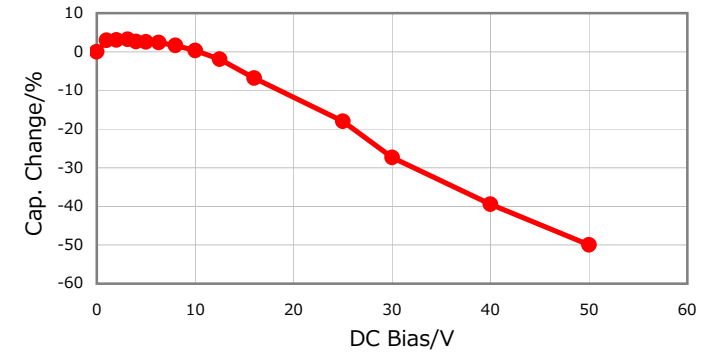
## Insulation Resistance

7.35Gohm Min.

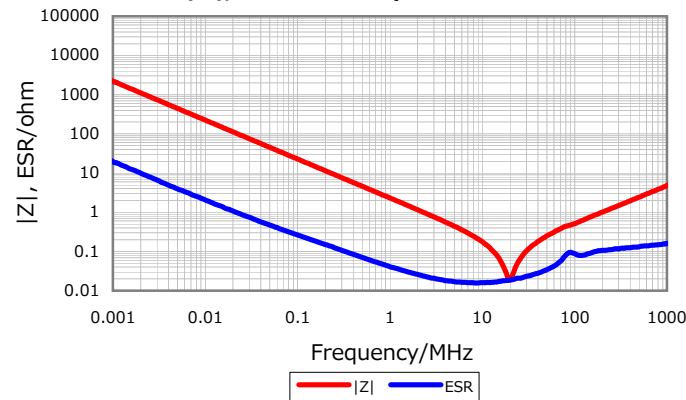
## AEC-Q200

Yes

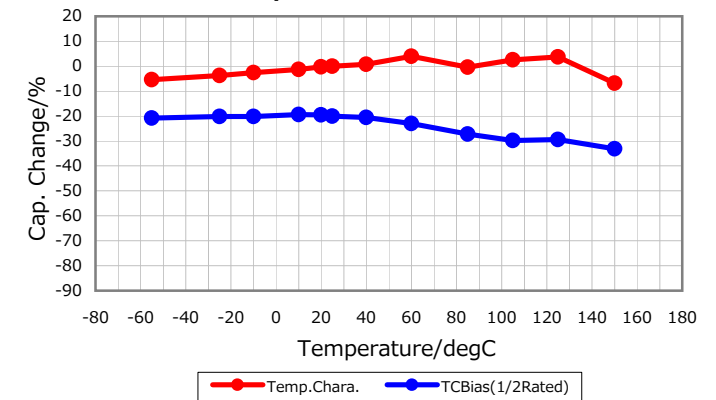
## DC Bias Characteristic



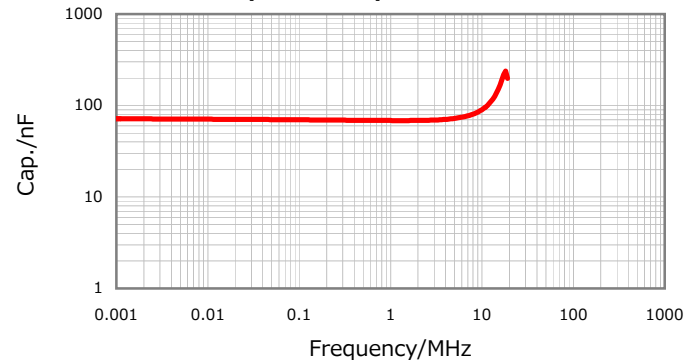
## |Z|, ESR vs. Freq. Characteristics



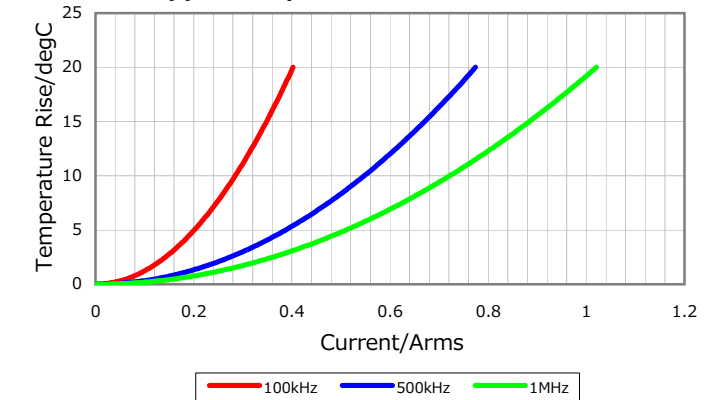
## Temperature Characteristics



## Cap. vs. Freq. Characteristic



## Ripple Temperature Rise Characteristics



Characterization Sheet ( Multilayer Ceramic Chip Capacitors )



All specifications are subject to change without notice.

January 4, 2016