

# CGA4J3X8R1E474K125AE

TDK Item Description : CGA4J3X8R1E474KT\*\*\*S



Equivalent C2012X8R1E474K for Automotive

## Application & Main Feature

Automotive Grade ( Soft Termination )

## Series

CGA4(2012) [EIA CC0805]



## 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

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

## Rated Voltage

1E (25Vdc)

## Capacitance

470nF

## Capacitance Tolerance

K (+/-10%)

## Dissipation Factor

3% Max.

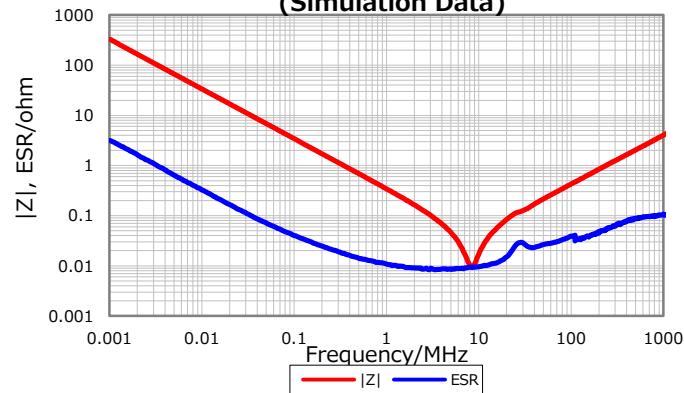
## Insulation Resistance

1.063Gohm Min

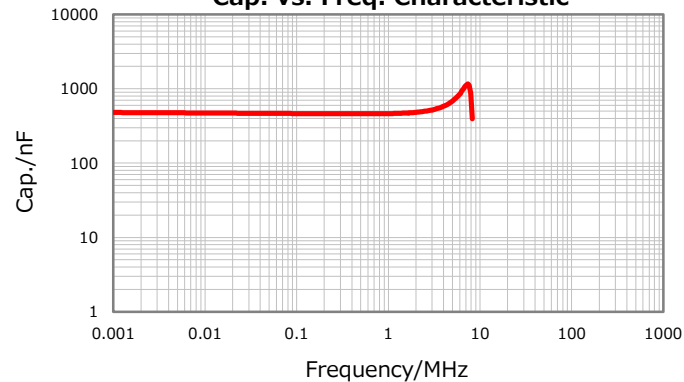
## AEC-Q200

Yes

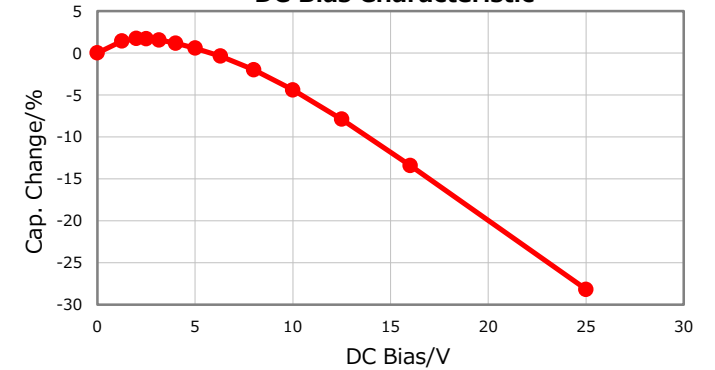
## |Z|, ESR vs. Freq. Characteristics (Simulation Data)



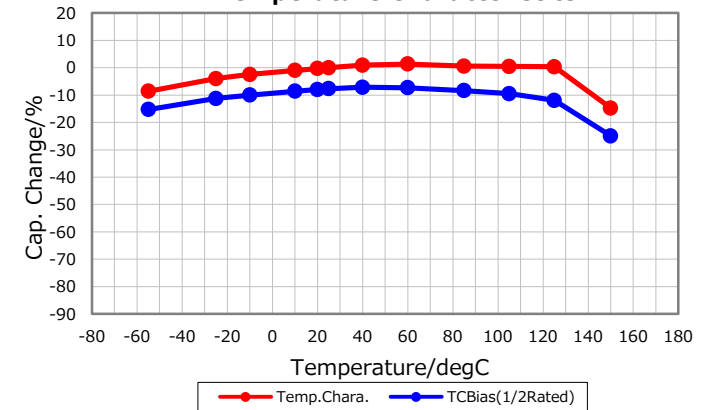
## Cap. vs. Freq. Characteristic



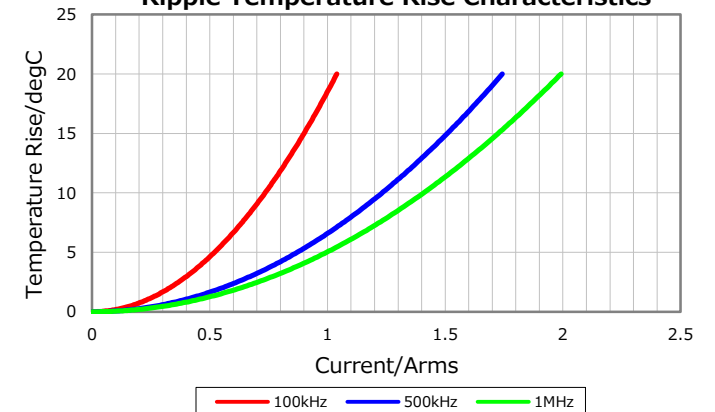
## DC Bias Characteristic



## Temperature Characteristics



## Ripple Temperature Rise Characteristics



Characterization Sheet ( Multilayer Ceramic Chip Capacitors )



All specifications are subject to change without notice.

March 17, 2017