

# CGA5L2X8R1E105K160AA

TDK Item Description : CGA5L2X8R1E105KT\*\*\*



Equivalent C3216X8R1E105K for Automotive

## Application & Main Feature

Automotive Grade ( High Temperature Application )

## Series

CGA5(3216) [EIA CC1206]



## Dimensions

L 3.20mm +/-0.2mm  
 W 1.60mm +/-0.2mm  
 T 1.60mm +/-0.2mm  
 B 0.20mm Min.  
 G 1.00mm Min.

## Temperature Characteristic

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

## Rated Voltage

1E (25Vdc)

## Capacitance

1uF

## Capacitance Tolerance

K (+/-10%)

## Dissipation Factor

3% Max.

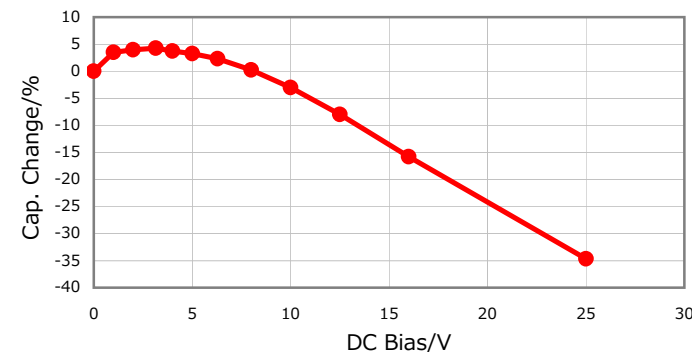
## Insulation Resistance

500Mohm Min.

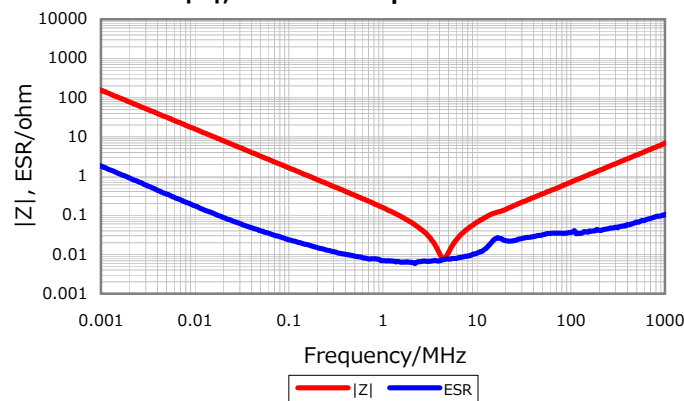
## AEC-Q200

Yes

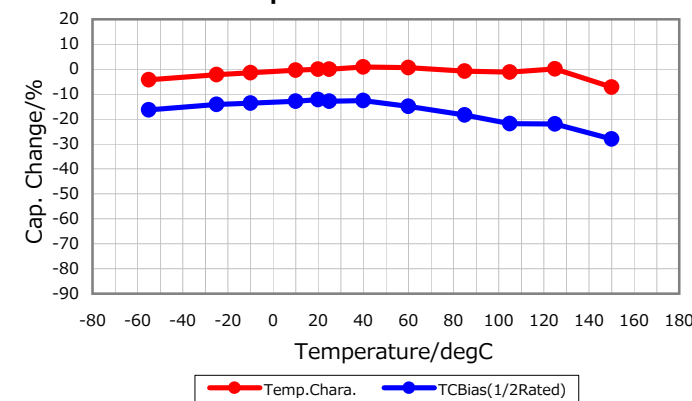
## DC Bias Characteristic



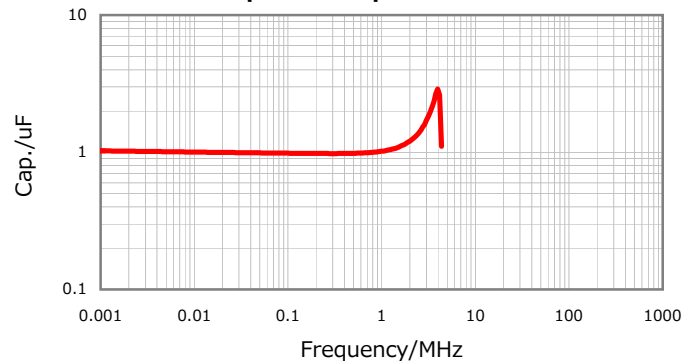
## |Z|, ESR vs. Freq. Characteristics



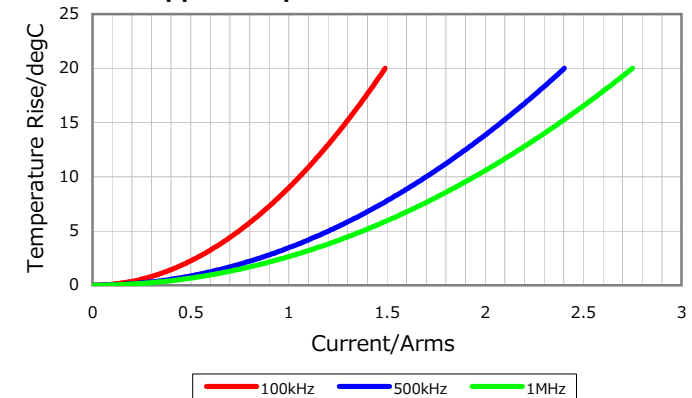
## Temperature Characteristics



## 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