

# CGA5L2X7R2A105K160AE

TDK Item Description : CGA5L2X7R2A105KT\*\*S



Equivalent C3216X7R2A105K for Automotive

## Application & Main Feature

Automotive Grade ( Soft Termination )

## Series

CGA5(3216) [EIA CC1206]



## 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

X7R (-55 to 125 degC +/-15%)

## Rated Voltage

2A (100Vdc)

## Capacitance

1uF

## Capacitance Tolerance

K (+/-10%)

## Dissipation Factor

3% Max.

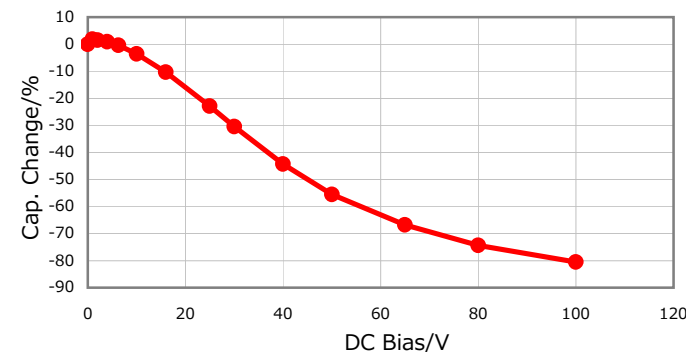
## Insulation Resistance

500Mohm Min.

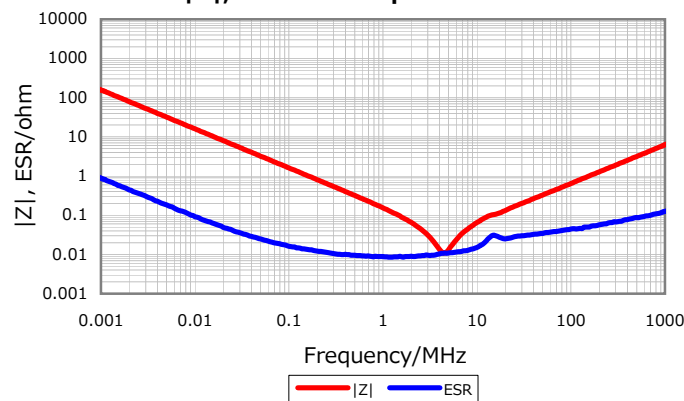
## AEC-Q200

Yes

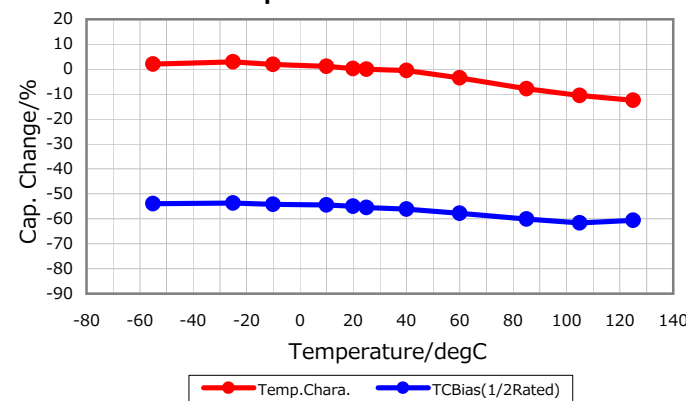
## DC Bias Characteristic



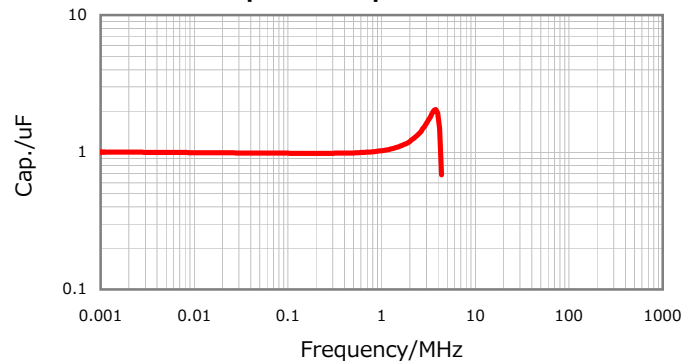
## |Z|, ESR vs. Freq. Characteristics



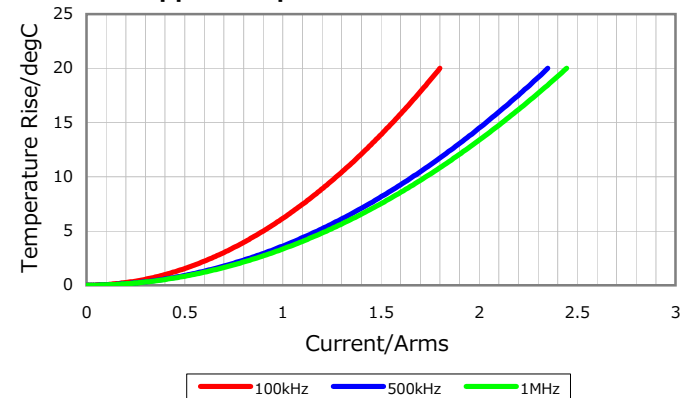
## Temperature Characteristics



## Cap. vs. Freq. Characteristic



## Ripple Temperature Rise Characteristics



Characterization Sheet ( Multilayer Ceramic Chip Capacitors )



All specifications are subject to change without notice.

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