

# CGA3E2X5R1E224M080AA

TDK Item Description : CGA3E2X5R1E224MT\*\*\*\*



Equivalent C1608X5R1E224M for Automotive

## Application & Main Feature

Automotive Grade ( General (Up to 50V) )

## Series

CGA3(1608) [EIA CC0603]



## Dimensions

L 1.60mm +/-0.1mm  
 W 0.80mm +/-0.1mm  
 T 0.80mm +/-0.1mm  
 B 0.20mm Min.  
 G 0.30mm Min.

## Temperature Characteristic

X5R (-55 to 85 degC +/-15%)

## Rated Voltage

1E (25Vdc)

## Capacitance

220nF

## Capacitance Tolerance

M (+/-20%)

## Dissipation Factor

3% Max.

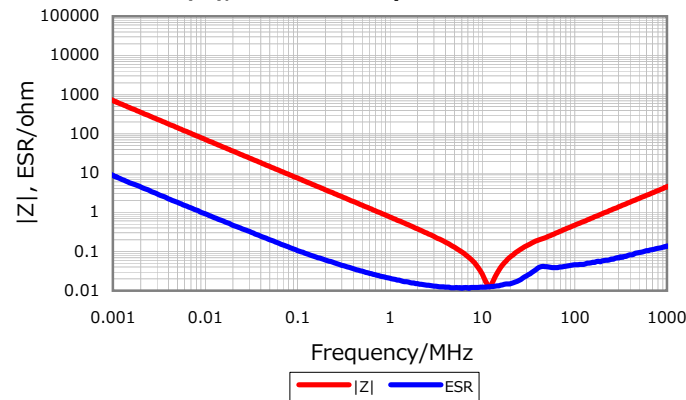
## Insulation Resistance

2.27Gohm Min.

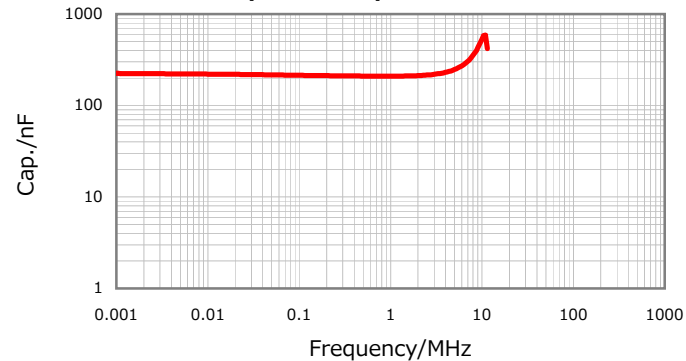
## AEC-Q200

Yes

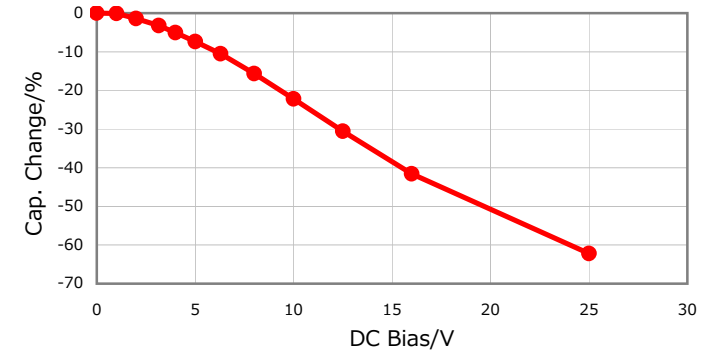
## |Z|, ESR vs. Freq. Characteristics



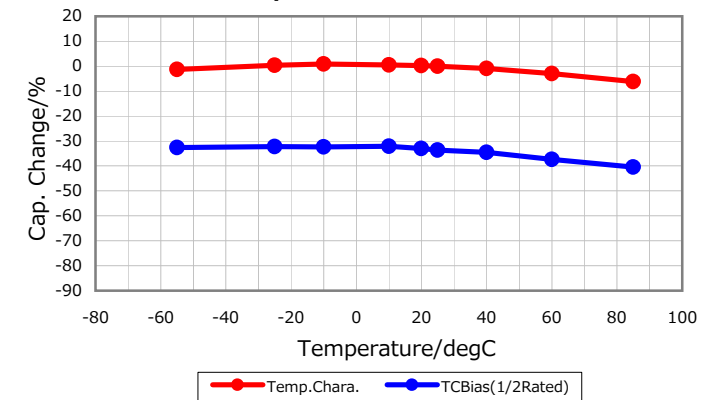
## Cap. vs. Freq. Characteristic



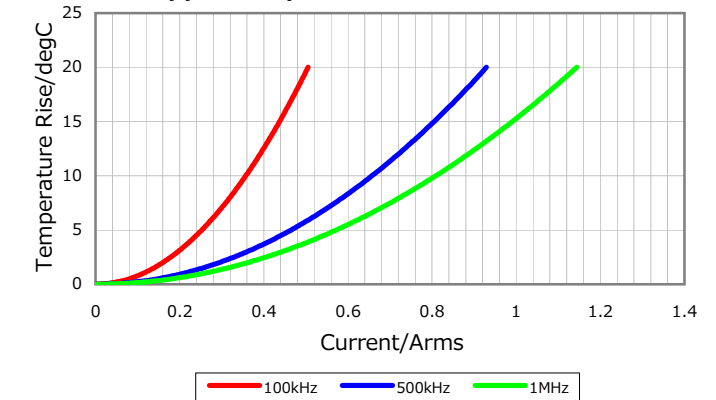
## DC Bias Characteristic



## Temperature Characteristics



## Ripple Temperature Rise Characteristics



Characterization Sheet ( Multilayer Ceramic Chip Capacitors )



All specifications are subject to change without notice.

January 4, 2016