

# CGA2B2X7R1E223M050BD

TDK Item Description : CGA2B2X7R1E223MT\*\*\*B



Equivalent C1005X7R1E223M for Automotive

## Application & Main Feature

Automotive Grade (Conductive Epoxy Application)

## Series

CGA2(1005) [EIA CC0402]



## Dimensions

L 1.00mm +/-0.15mm  
 W 0.50mm +/-0.1mm  
 T 0.50mm +/-0.1mm  
 B 0.10mm Min.  
 G 0.30mm Min.

## Temperature Characteristic

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

## Rated Voltage

1E (25Vdc)

## Capacitance

22nF

## Capacitance Tolerance

M (+/-20%)

## Dissipation Factor

3% Max.

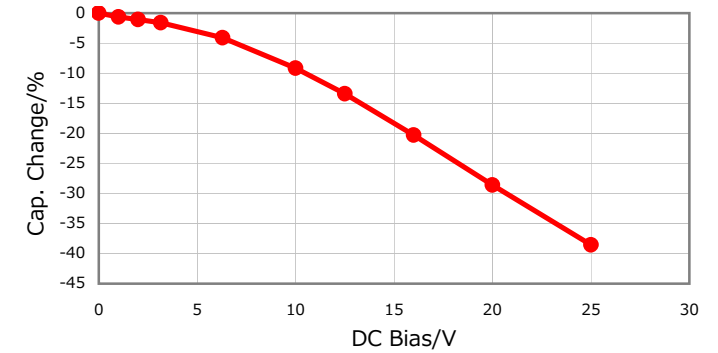
## Insulation Resistance

10Gohm Min.

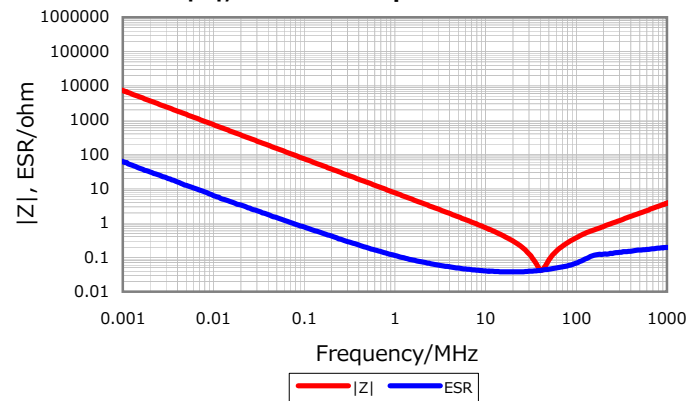
## AEC-Q200

Yes

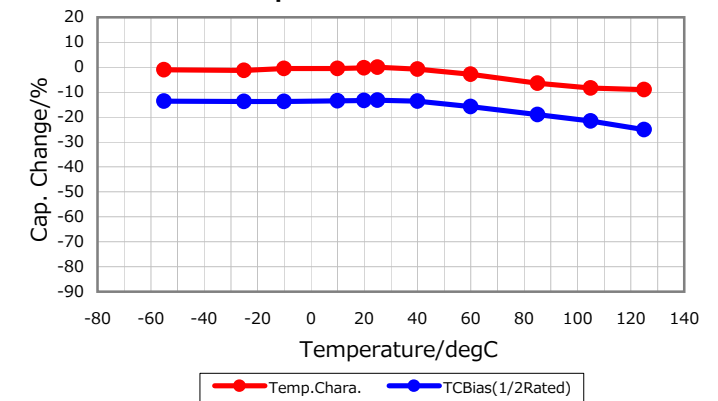
## DC Bias Characteristic



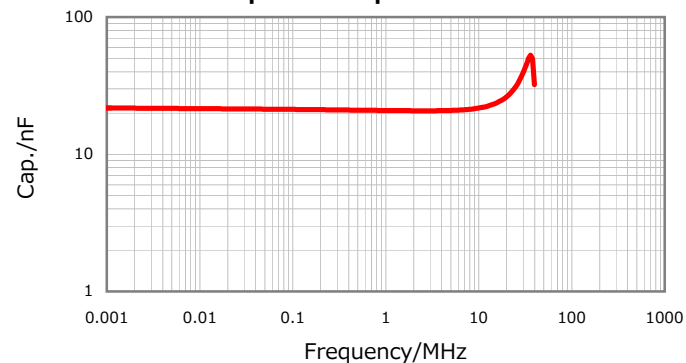
## |Z|, ESR vs. Freq. Characteristics



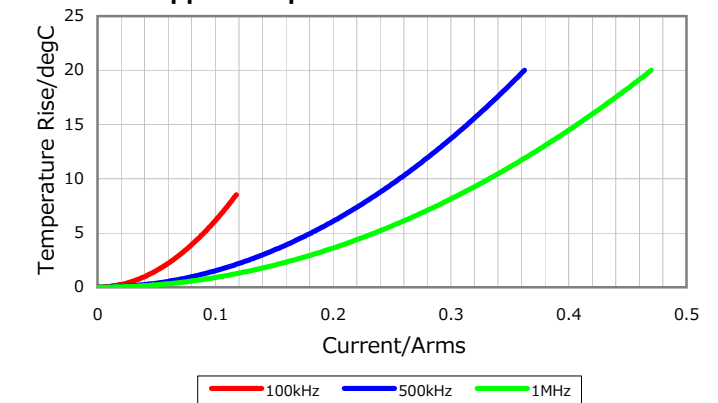
## Temperature Characteristics



## 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