

# CGA4J2X5R1H224M125AA

TDK Item Description : CGA4J2X5R1H224MT\*\*\*\*



Equivalent C2012X5R1H224M for Automotive

## Application & Main Feature

Automotive Grade ( General (Up to 50V) )

## Series

CGA4(2012) [EIA CC0805]



## Dimensions

L	2.00mm +/-0.2mm
W	1.25mm +/-0.2mm
T	1.25mm +/-0.2mm
B	0.20mm Min.
G	0.50mm Min.

## Temperature Characteristic

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

## Rated Voltage

1H (50Vdc)

## Capacitance

220nF

## Capacitance Tolerance

M (+/-20%)

## Dissipation Factor

3% Max.

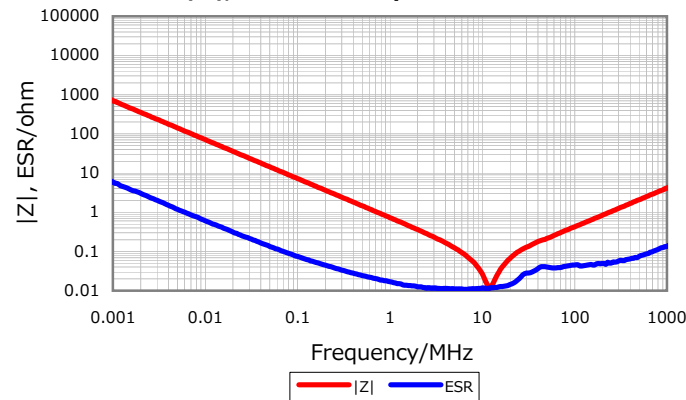
## Insulation Resistance

2.27Gohm Min.

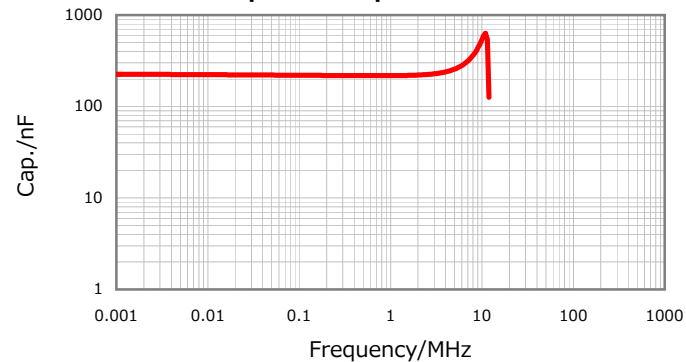
## AEC-Q200

Yes

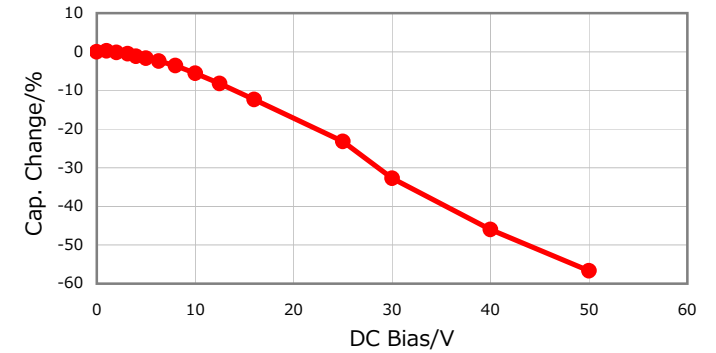
## |Z|, ESR vs. Freq. Characteristics



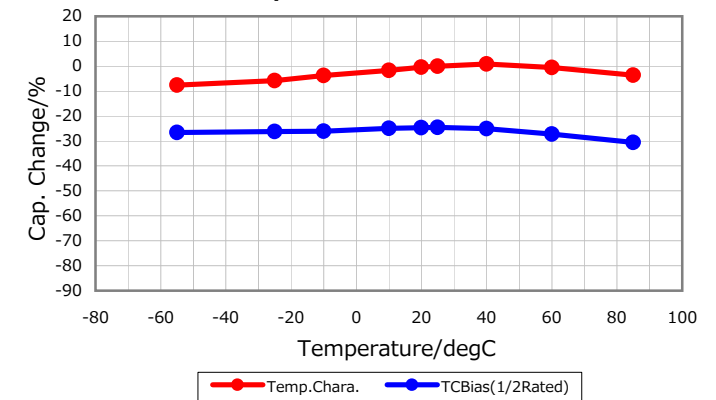
## Cap. vs. Freq. Characteristic



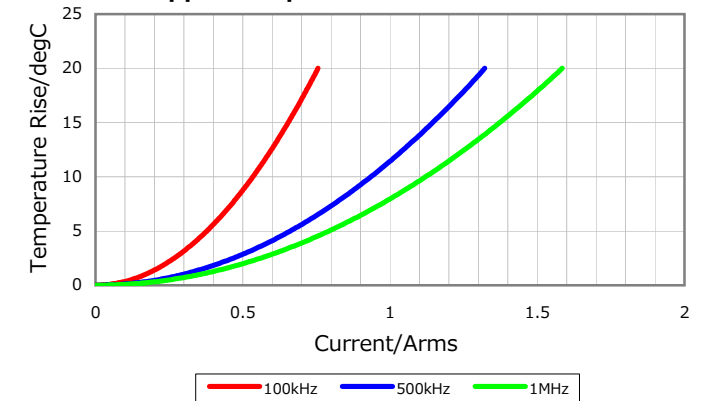
## DC Bias Characteristic



## Temperature Characteristics



## Ripple Temperature Rise Characteristics



Characterization Sheet ( Multilayer Ceramic Chip Capacitors )



All specifications are subject to change without notice.

January 4, 2016