

# CGA4J2X7R1H154M125AA

TDK Item Description : CGA4J2X7R1H154MT\*\*\*\*



Equivalent C2012X7R1H154M 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

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

## Rated Voltage

1H (50Vdc)

## Capacitance

150nF

## Capacitance Tolerance

M (+/-20%)

## Dissipation Factor

3% Max.

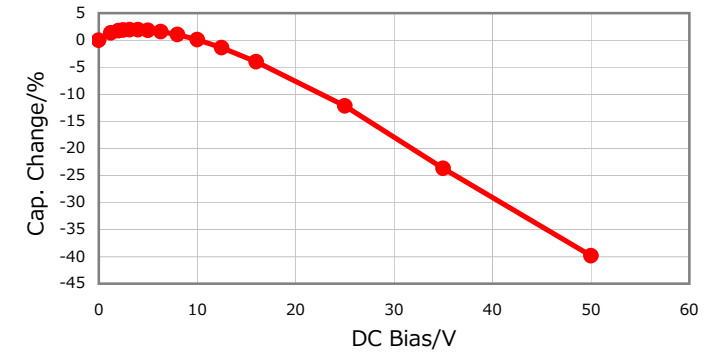
## Insulation Resistance

3.33Gohm Min.

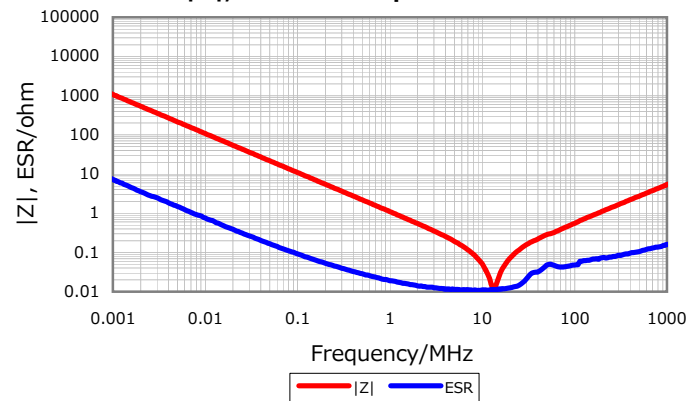
## AEC-Q200

Yes

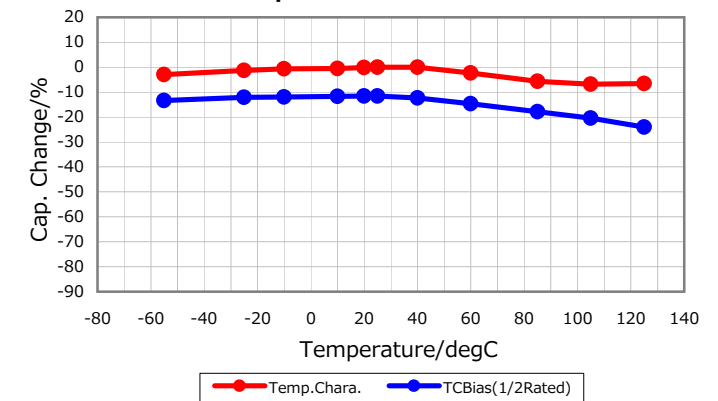
## DC Bias Characteristic



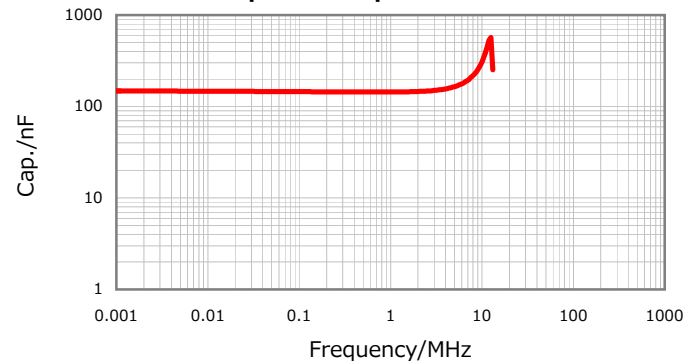
## |Z|, ESR vs. Freq. Characteristics



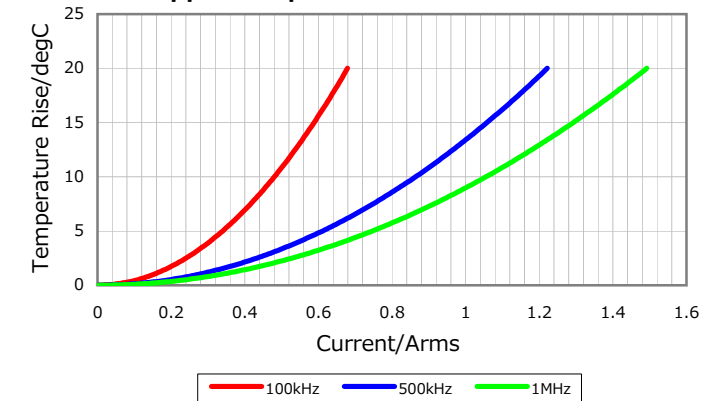
## Temperature Characteristics



## 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