

# CGA9N4X7R2J224K230KE

TDK Item Description : CGA9N4X7R2J224KT\*\*\*S



Equivalent C5750X7R2J224K for Automotive

## Application & Main Feature

Automotive Grade ( Soft Termination )

## Series

CGA9(5750) [EIA CC2220]



## Dimensions

L	5.70mm +0.5,-0.4mm
W	5.00mm +/-0.4mm
T	2.30mm +0.3,-0.2mm
B	0.20mm Min.
G	

## Temperature Characteristic

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

## Rated Voltage

2J (630Vdc)

## Capacitance

220nF

## Capacitance Tolerance

K (+/-10%)

## Dissipation Factor

3% Max.

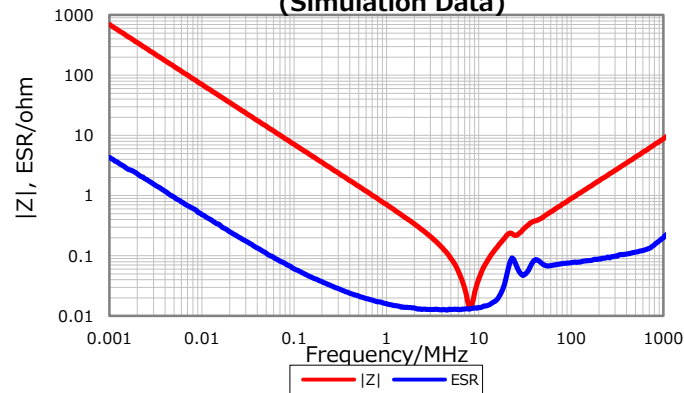
## Insulation Resistance

2.272Gohm Min

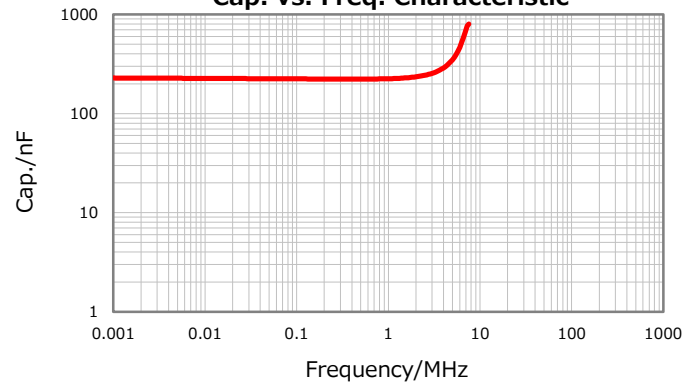
## AEC-Q200

Yes

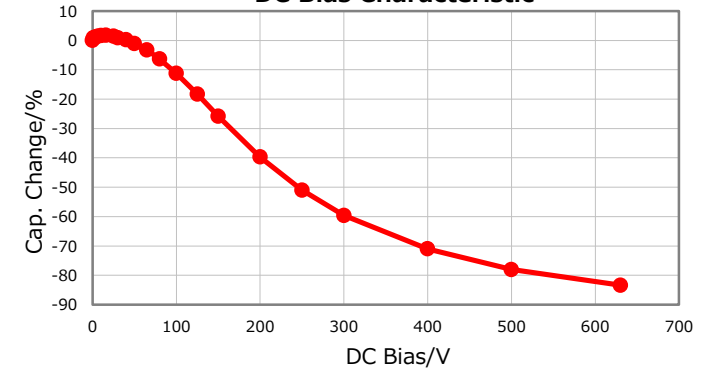
**|Z|, ESR vs. Freq. Characteristics  
(Simulation Data)**



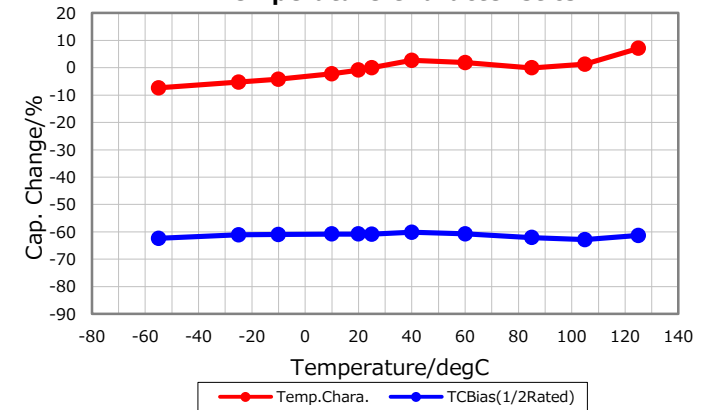
**Cap. vs. Freq. Characteristic**



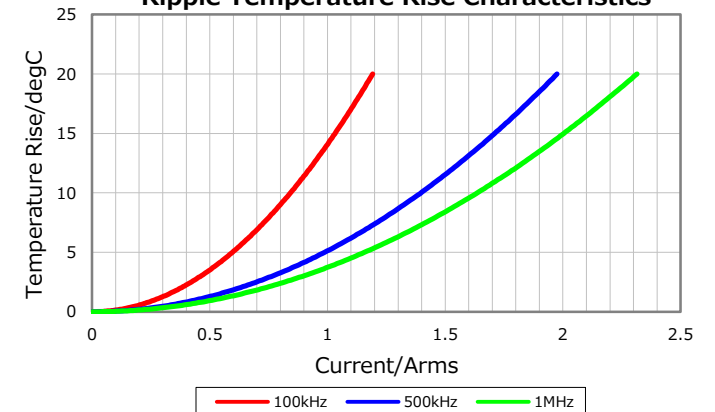
**DC Bias Characteristic**



**Temperature Characteristics**



**Ripple Temperature Rise Characteristics**



Characterization Sheet ( Multilayer Ceramic Chip Capacitors )



All specifications are subject to change without notice.

March 17, 2017