

# CGA6P3X7R1E685M250AB

TDK Item Description : CGA6P3X7R1E685MT\*\*\*\*



Equivalent C3225X7R1E685M for Automotive

## Application & Main Feature

Automotive Grade ( General (Up to 50V) )

## Series

CGA6(3225) [EIA CC1210]



## Dimensions

L 3.20mm +/-0.4mm  
 W 2.50mm +/-0.3mm  
 T 2.50mm +/-0.3mm  
 B 0.20mm Min.  
 G

## Temperature Characteristic

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

## Rated Voltage

1E (25Vdc)

## Capacitance

6.8uF

## Capacitance Tolerance

M (+/-20%)

## Dissipation Factor

5% Max.

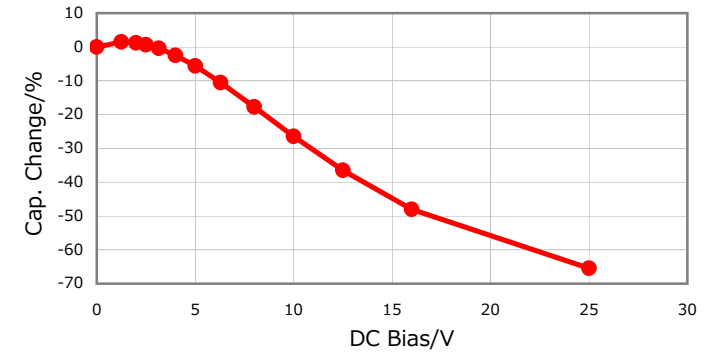
## Insulation Resistance

73Mohm Min.

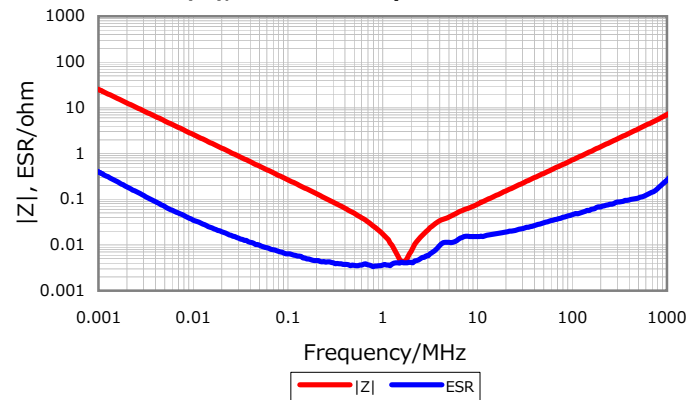
## AEC-Q200

Yes

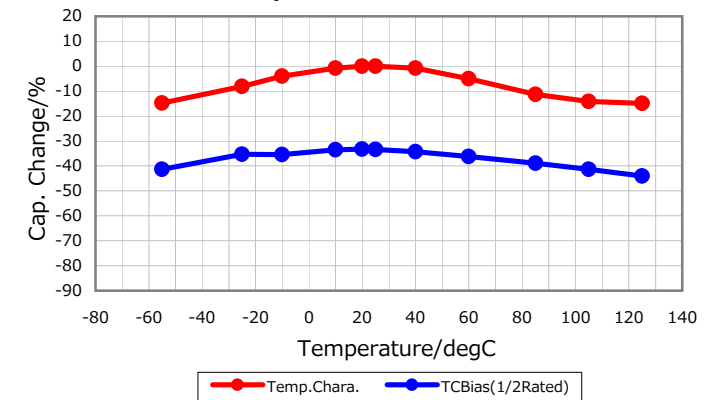
## DC Bias Characteristic



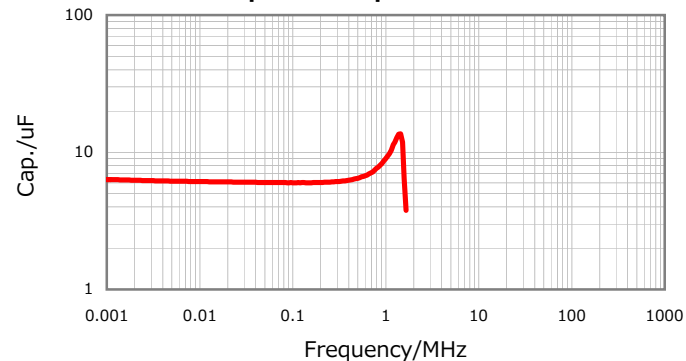
## |Z|, ESR vs. Freq. Characteristics



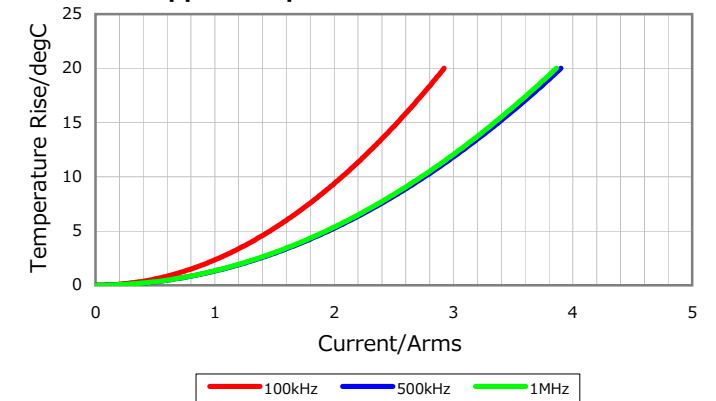
## Temperature Characteristics



## 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