

# CGA5L3X5R1H685M160AB

TDK Item Description : CGA5L3X5R1H685MT\*\*\*\*



Equivalent C3216X5R1H685M for Automotive

## Application & Main Feature

Automotive Grade ( General (Up to 50V) )

## Series

CGA5(3216) [EIA CC1206]



## Dimensions

L	3.20mm +0.3,-0.1mm
W	1.60mm +0.3,-0.1mm
T	1.60mm +0.3,-0.1mm
B	0.20mm Min.
G	1.00mm Min.

## Temperature Characteristic

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

## Rated Voltage

1H (50Vdc)

## Capacitance

6.8uF

## Capacitance Tolerance

M (+/-20%)

## Dissipation Factor

7.5% Max.

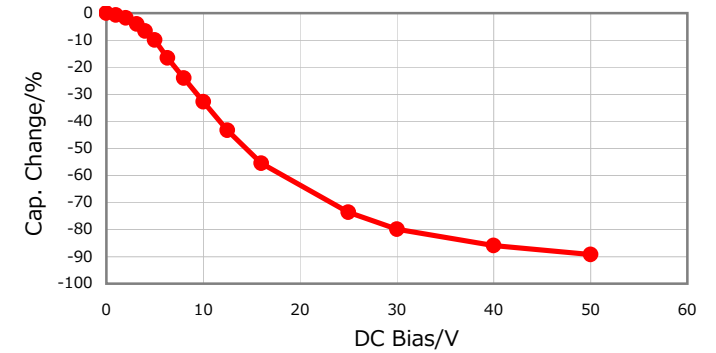
## Insulation Resistance

73Mohm Min.

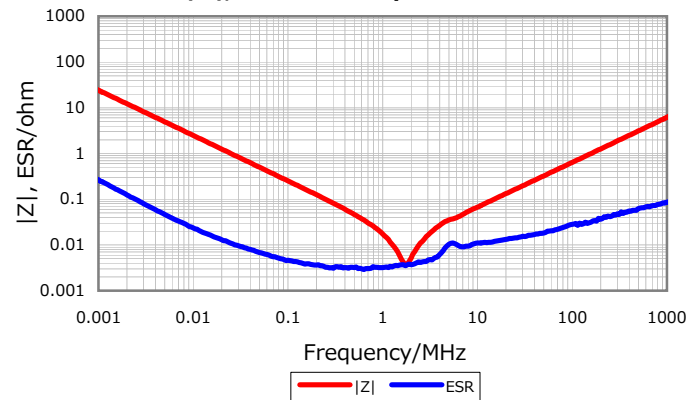
## AEC-Q200

Yes

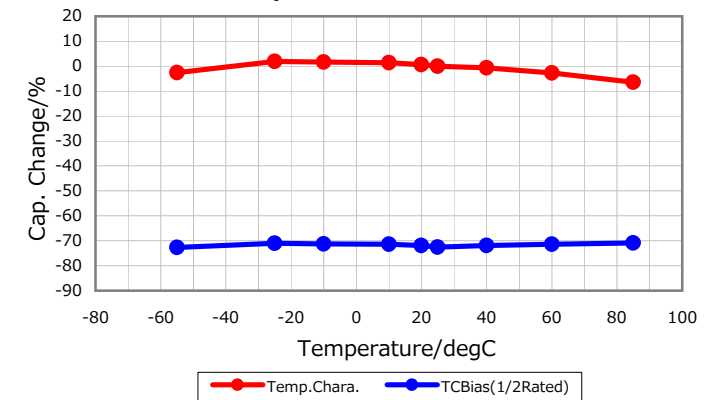
## DC Bias Characteristic



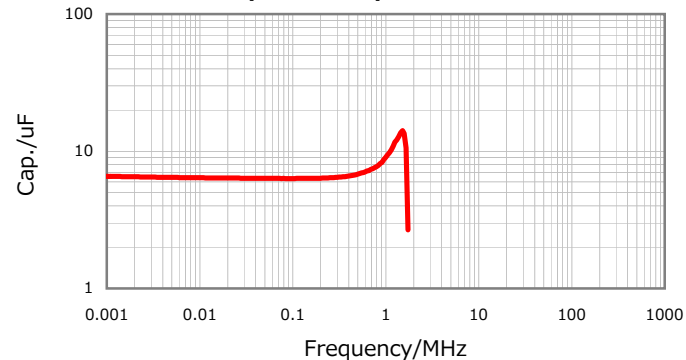
## |Z|, ESR vs. Freq. Characteristics



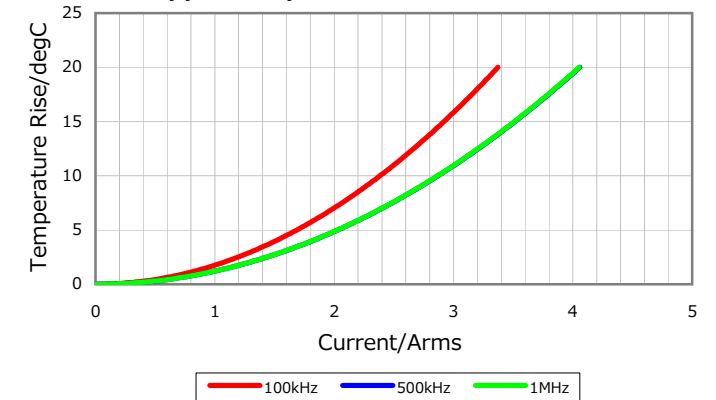
## Temperature Characteristics



## 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