

# CGA5L2X8R1H334M160AE

TDK Item Description : CGA5L2X8R1H334MT\*\*\*S



Equivalent C3216X8R1H334M for Automotive

## Application & Main Feature

Automotive Grade ( Soft Termination )

## Series

CGA5(3216) [EIA CC1206]

## Dimensions

|   |                    |
|---|--------------------|
| L | 3.20mm +0.4,-0.2mm |
| W | 1.60mm +0.3,-0.2mm |
| T | 1.60mm +0.3,-0.2mm |
| B | 0.20mm Min.        |
| G | 1.00mm Min.        |

## Temperature Characteristic

X8R (-55 to 150 degC +/-15%)

## Rated Voltage

1H (50Vdc)

## Capacitance

330nF

## Capacitance Tolerance

M (+/-20%)

## Dissipation Factor

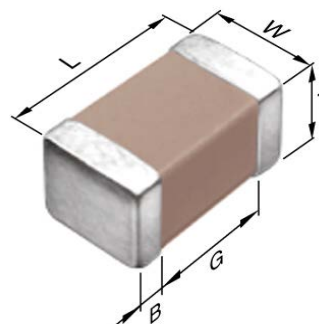
3% Max.

## Insulation Resistance

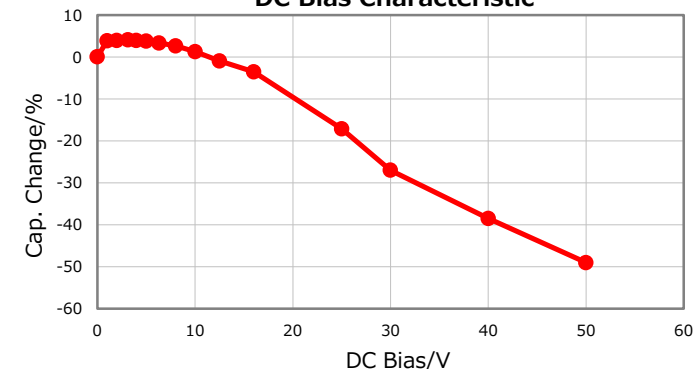
1.515Gohm Min

## AEC-Q200

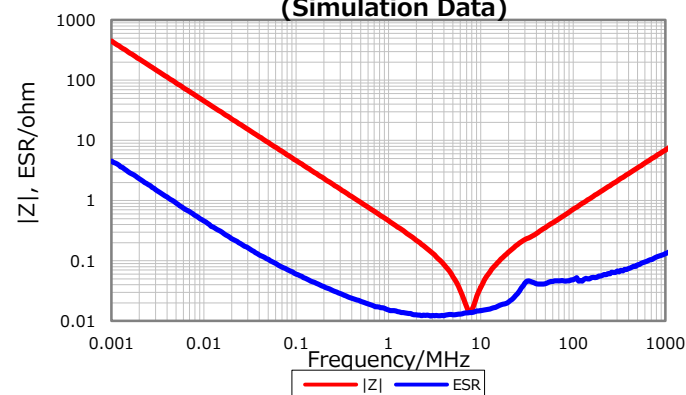
Yes



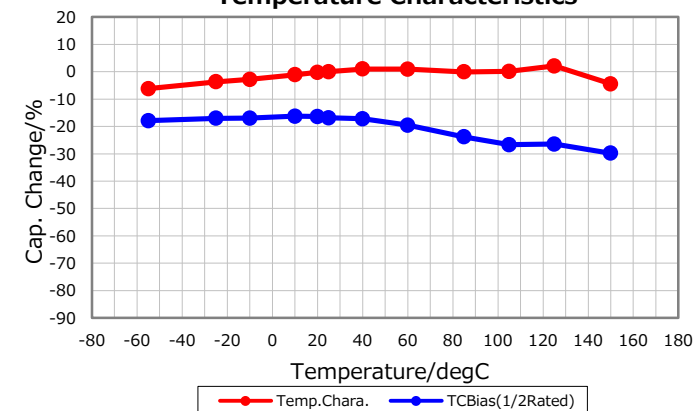
## DC Bias Characteristic



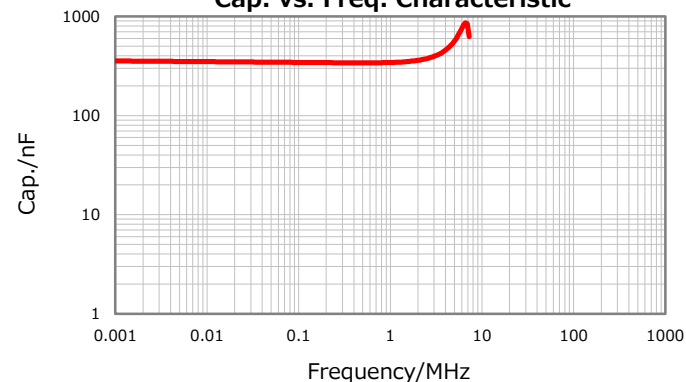
## |Z|, ESR vs. Freq. Characteristics (Simulation Data)



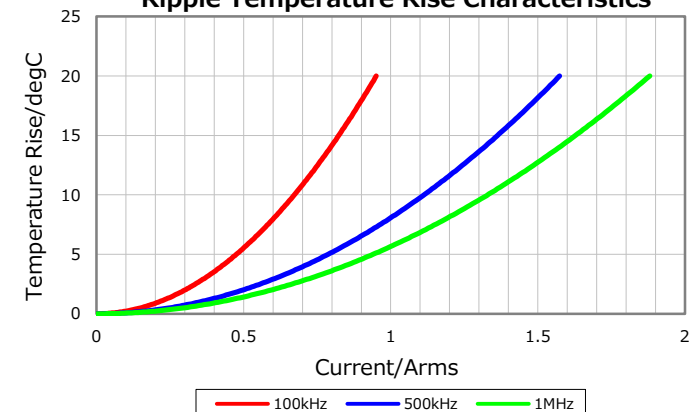
## Temperature Characteristics



## Cap. vs. Freq. Characteristic



## Ripple Temperature Rise Characteristics



All specifications are subject to change without notice.

March 17, 2017