

# CGA5L1X8R1E335M160AE

TDK Item Description : CGA5L1X8R1E335MT\*\*\*S



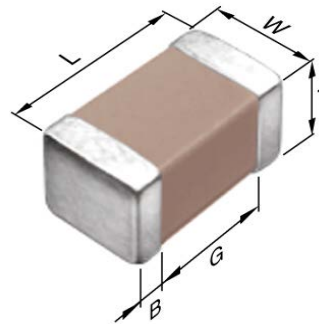
Equivalent C3216X8R1E335M for Automotive

## Application & Main Feature

Automotive Grade ( Soft Termination )

## Series

CGA5(3216) [EIA 1206]



## 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  $\pm 15\%$ )

## Rated Voltage

1E (25Vdc)

## Capacitance

3.3 $\mu$ F

## Capacitance Tolerance

M ( $\pm 20\%$ )

## Dissipation Factor

5% Max.

## Insulation Resistance

151Mohm Min.

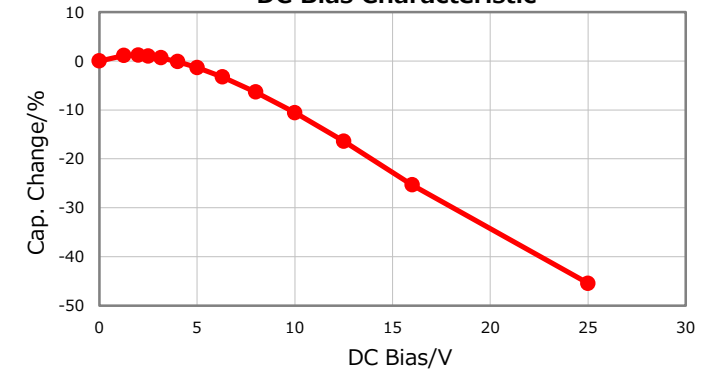
## AEC-Q200

Yes

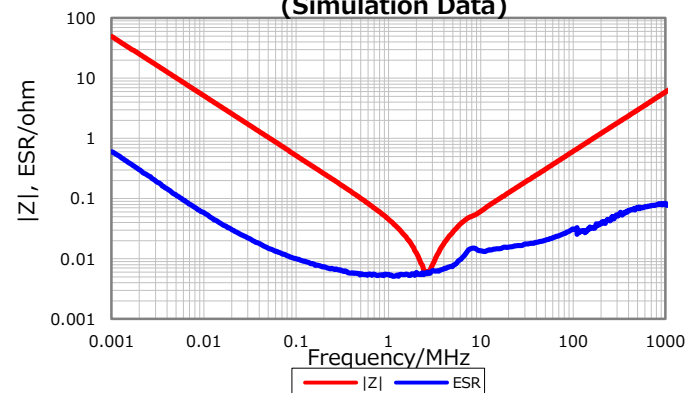


All specifications are subject to change without notice.

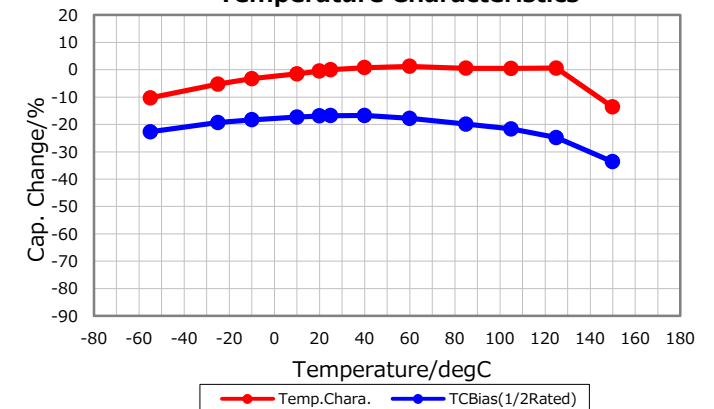
## DC Bias Characteristic



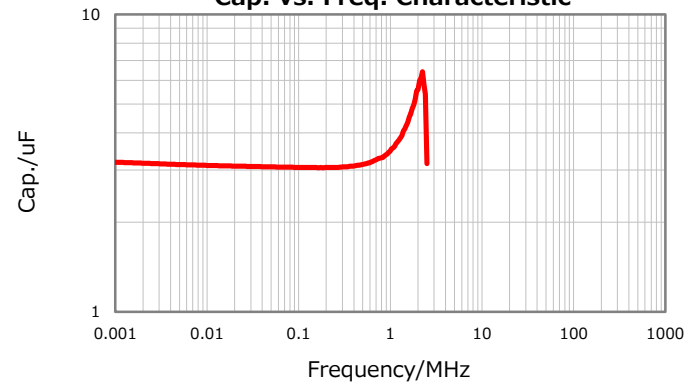
## |Z|, ESR vs. Freq. Characteristics (Simulation Data)



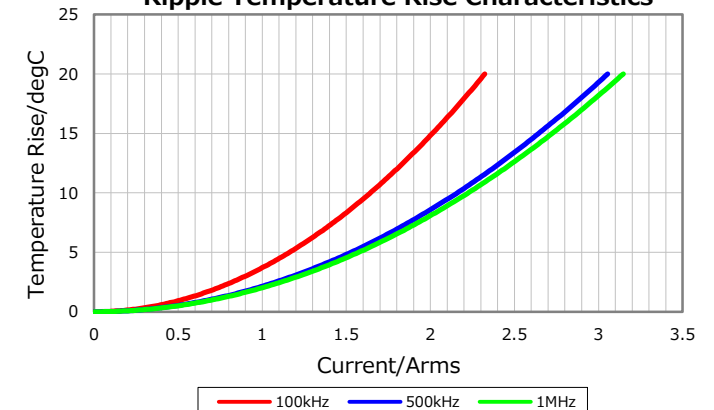
## Temperature Characteristics



## Cap. vs. Freq. Characteristic



## Ripple Temperature Rise Characteristics



July 24, 2018