

# CGJ3E2X7R1H683K080AA

TDK Item Description : CGJ3E2X7R1H683KT\*\*\*



## Application & Main Feature

High Reliability Grade ( General (Up to 50V) )

## Series

CGJ3(1608) [EIA CC0603]

## Dimensions

L 1.60mm +/-0.1mm  
W 0.80mm +/-0.1mm  
T 0.80mm +/-0.1mm  
B 0.20mm Min.  
G 0.30mm Min.

## Temperature Characteristic

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

## Rated Voltage

1H (50Vdc)

## Capacitance

68nF

## Capacitance Tolerance

K (+/-10%)

## Dissipation Factor

3% Max.

## Insulation Resistance

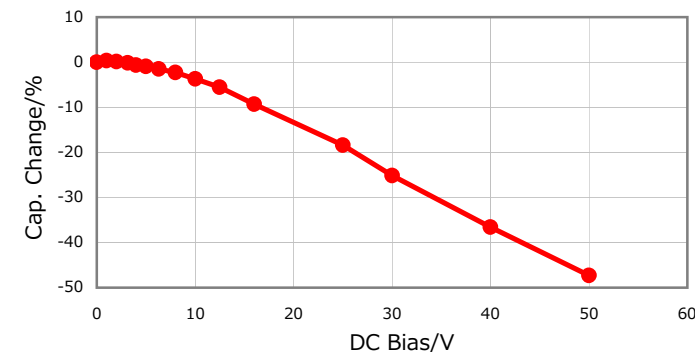
7.35Gohm Min.

## AEC-Q200

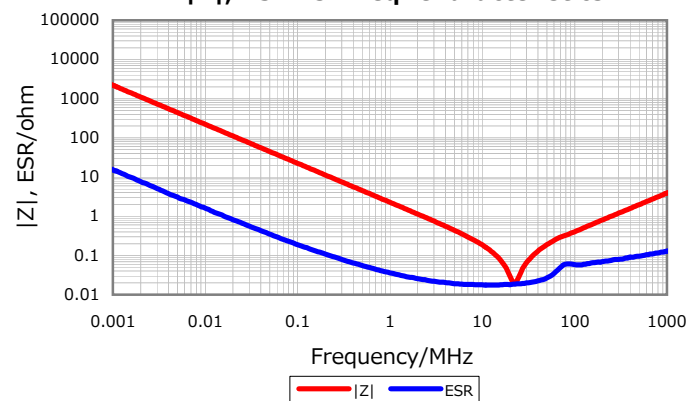
Yes



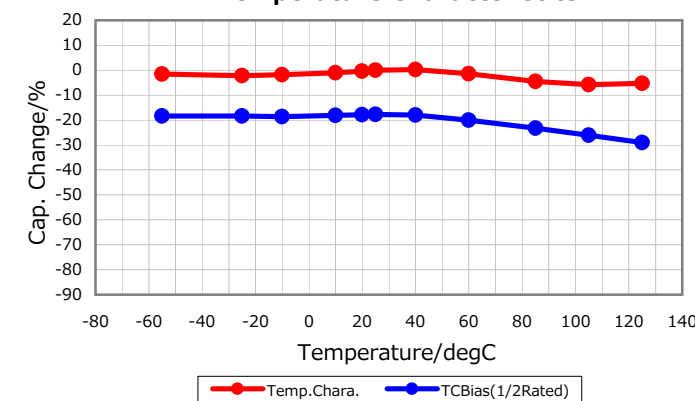
## DC Bias Characteristic



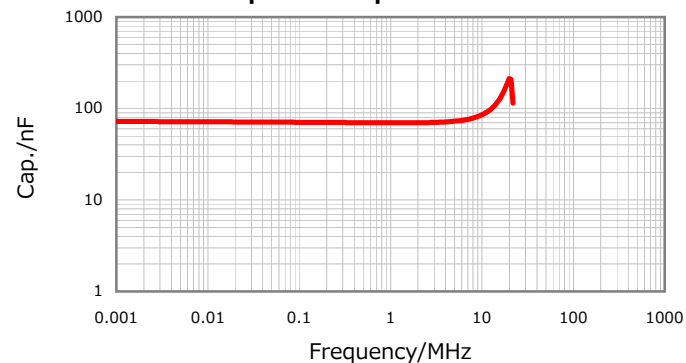
## |Z|, ESR vs. Freq. Characteristics



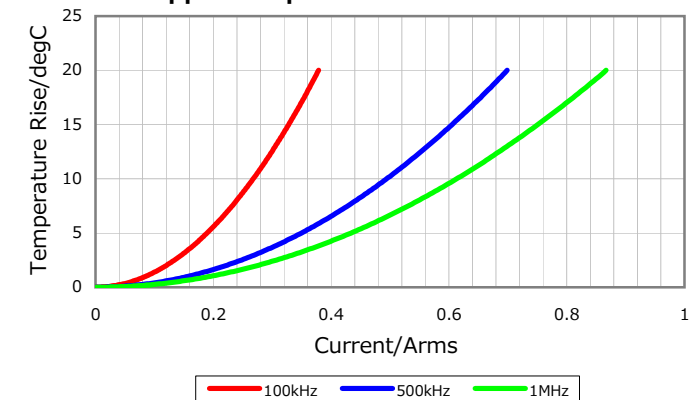
## Temperature Characteristics



## Cap. vs. Freq. Characteristic



## Ripple Temperature Rise Characteristics



All specifications are subject to change without notice.

January 4, 2016