

# CGA3E2X7R1H682K080AD

TDK Item Description : CGA3E2X7R1H682KT\*\*\*B

Equivalent C1608X7R1H682K for Automotive

## Application & Main Feature

Automotive Grade ( Conductive Epoxy Application )

## Series

CGA3(1608) [EIA CC0603]

### Dimensions

L	1.60mm	+/-0.15mm
W	0.80mm	+/-0.15mm
T	0.80mm	+/-0.15mm
B	0.20mm	Min.
G	0.30mm	Min.

### Temperature Characteristic

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

### Rated Voltage

1H (50Vdc)

### Capacitance

6.8nF

### Capacitance Tolerance

K (+/-10%)

### Dissipation Factor

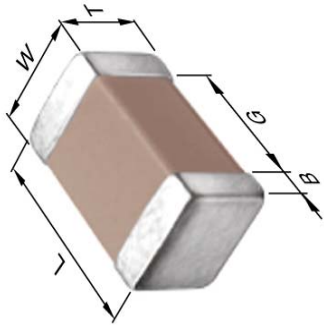
3% Max.

### Insulation Resistance

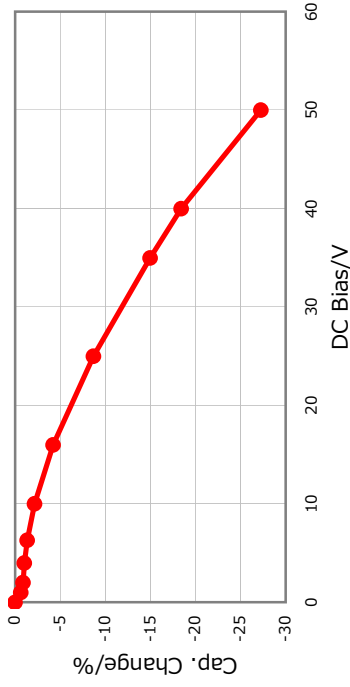
10Gohm Min.

### AEC-Q200

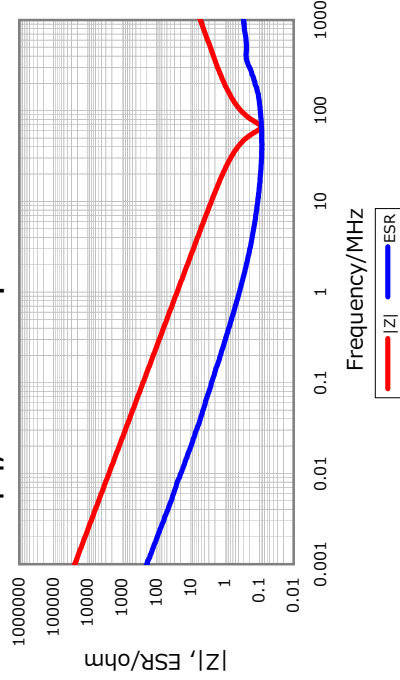
Yes



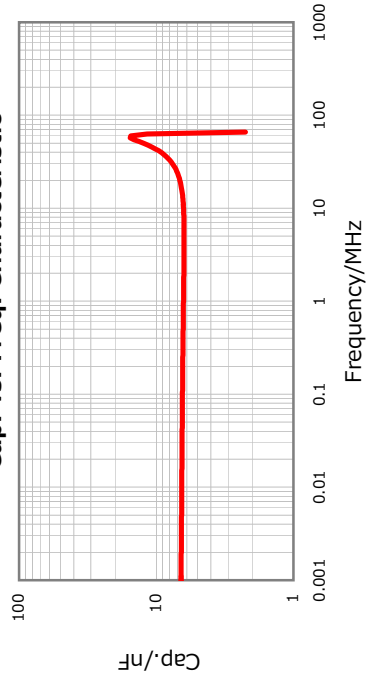
## DC Bias Characteristic



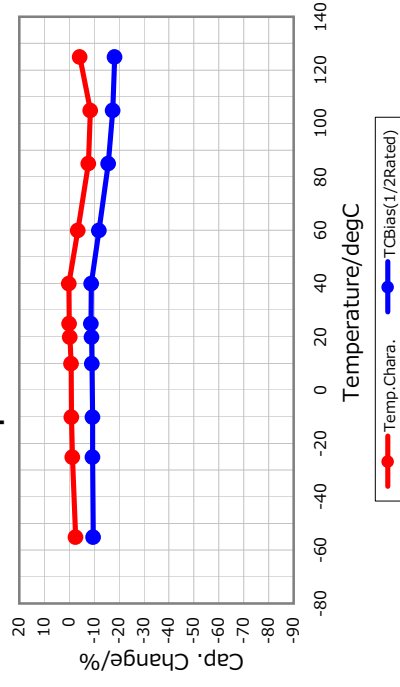
## |Z|, ESR vs. Freq. Characteristics



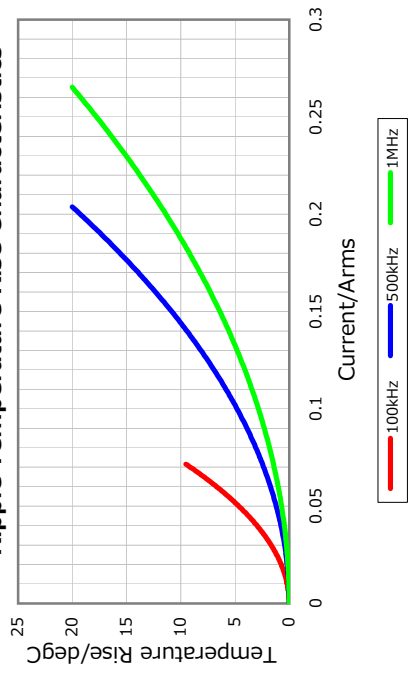
## Cap. vs. Freq. Characteristic



## Temperature Characteristics



## Ripple Temperature Rise Characteristics



All specifications are subject to change without notice.

January 4, 2016

