

# CGA7K1X7R3A102M130KA

TDK Item Description : CGA7K1X7R3A102MT\*\*\*\*



Equivalent C4520X7R3A102M for Automotive

## Application & Main Feature

Automotive Grade ( High Voltage (1000V and over ) )

## Series

CGA7(4520) [EIA CC1808]



## Dimensions

- L 4.50mm +/-0.4mm
- W 2.00mm +/-0.2mm
- T 1.30mm +/-0.2mm
- B 0.20mm Min.
- G

## Temperature Characteristic

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

## Rated Voltage

3A (1000Vdc)

## Capacitance

1nF

## Capacitance Tolerance

M (+/-20%)

## Dissipation Factor

3% Max.

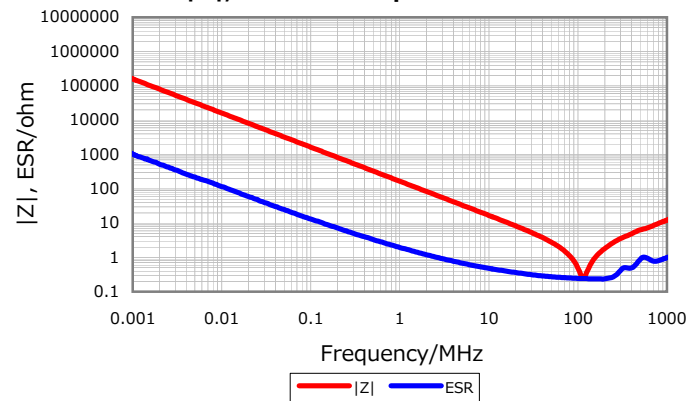
## Insulation Resistance

10Gohm Min.

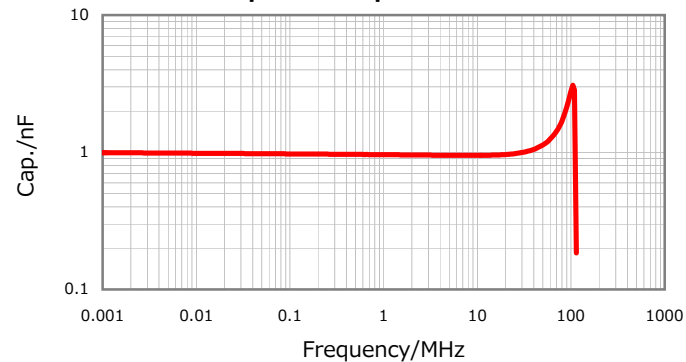
## AEC-Q200

Not Applicable

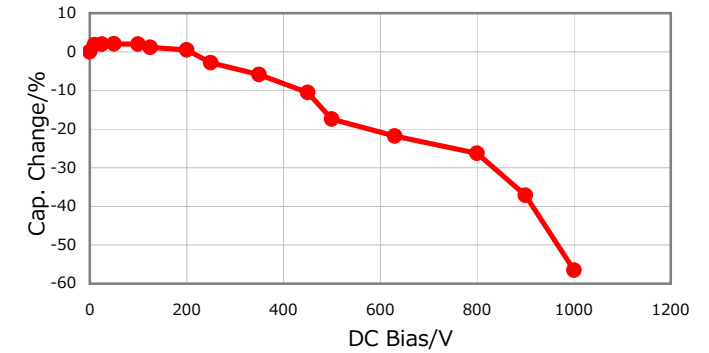
## |Z|, ESR vs. Freq. Characteristics



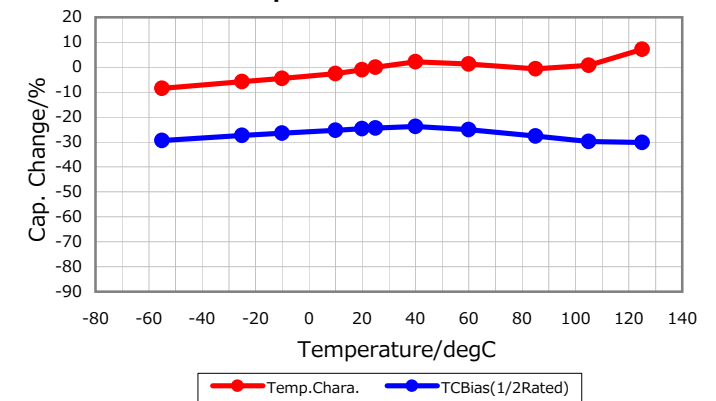
## Cap. vs. Freq. Characteristic



## DC Bias Characteristic



## Temperature Characteristics



## Ripple Temperature Rise Characteristics

