

# C2012X7T2W103K085AE

TDK Item Description : C2012X7T2W103KT\*\*\*S



## Application & Main Feature

Commercial Grade ( Soft Termination )

## Series

C2012 [EIA CC0805]



## Dimensions

|   |                     |
|---|---------------------|
| L | 2.00mm +0.45,-0.2mm |
| W | 1.25mm +0.25,-0.2mm |
| T | 0.85mm +/-0.15mm    |
| B | 0.20mm Min.         |
| G | 0.50mm Min.         |

## Temperature Characteristic

X7T (-55 to 125 degC +22,-33%)

## Rated Voltage

2W (450Vdc)

## Capacitance

10nF

## Capacitance Tolerance

K (+/-10%)

## Dissipation Factor

2.5% Max.

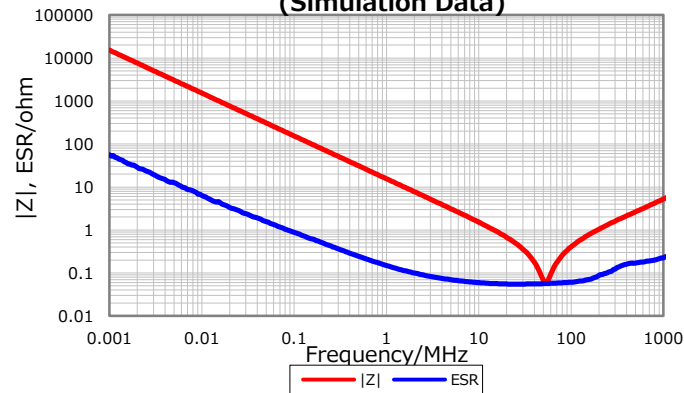
## Insulation Resistance

10Gohm Min

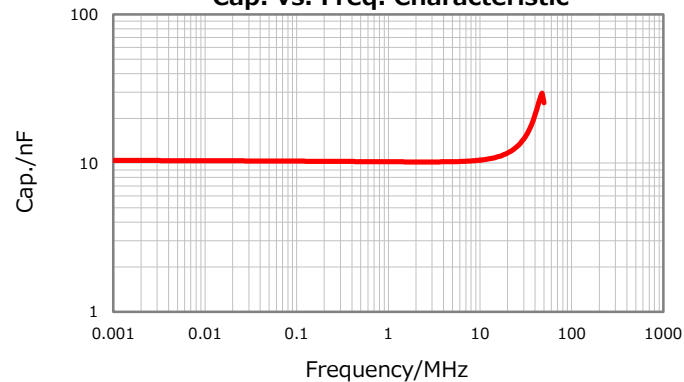
## AEC-Q200

Not Applicable

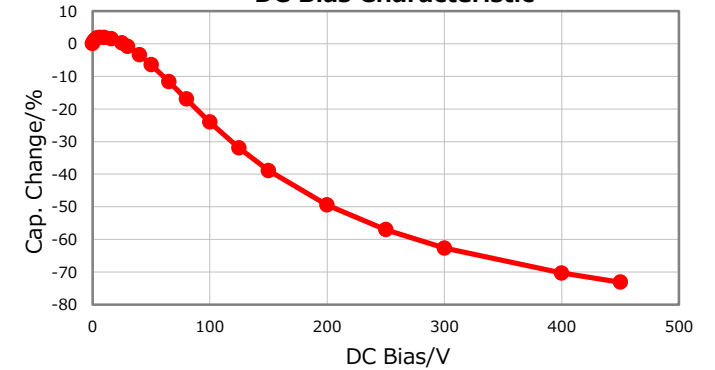
## |Z|, ESR vs. Freq. Characteristics (Simulation Data)



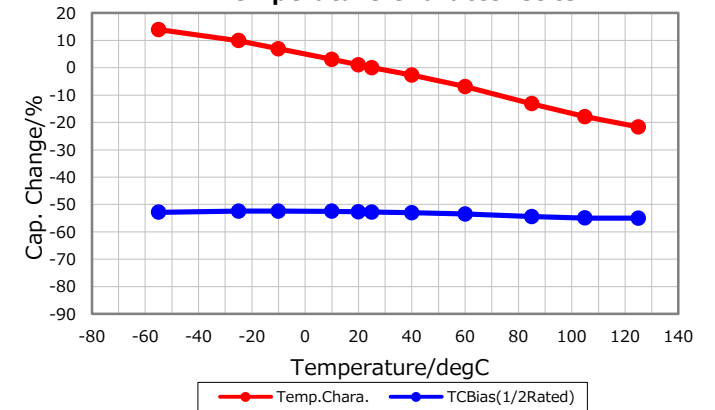
## Cap. vs. Freq. Characteristic



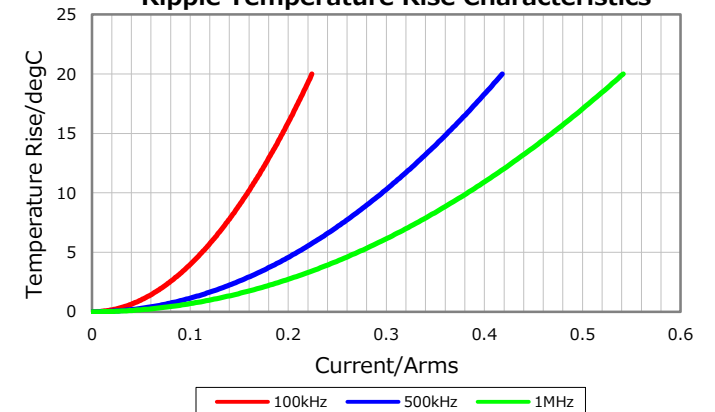
## DC Bias Characteristic



## Temperature Characteristics



## Ripple Temperature Rise Characteristics



Characterization Sheet ( Multilayer Ceramic Chip Capacitors )



All specifications are subject to change without notice.

March 16, 2017