

# C2012X7S2A105M125AE

TDK Item Description : C2012X7S2A105MT\*\*\*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	1.25mm +0.25,-0.2mm
B	0.20mm Min.
G	0.50mm Min.

## Temperature Characteristic

X7S (-55 to 125 degC +/-22%)

## Rated Voltage

2A (100Vdc)

## Capacitance

1uF

## Capacitance Tolerance

M (+/-20%)

## Dissipation Factor

5% Max.

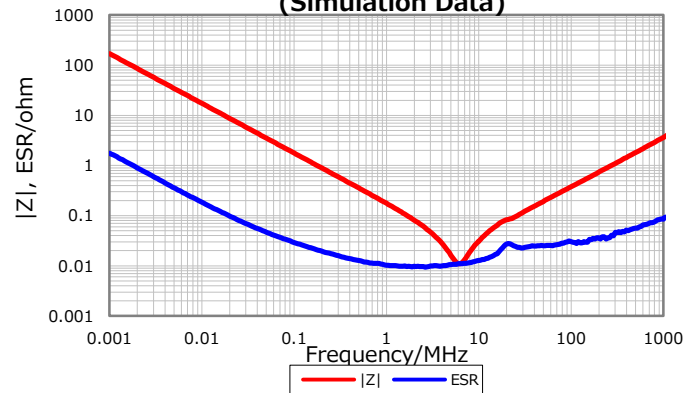
## Insulation Resistance

500Mohm Min.

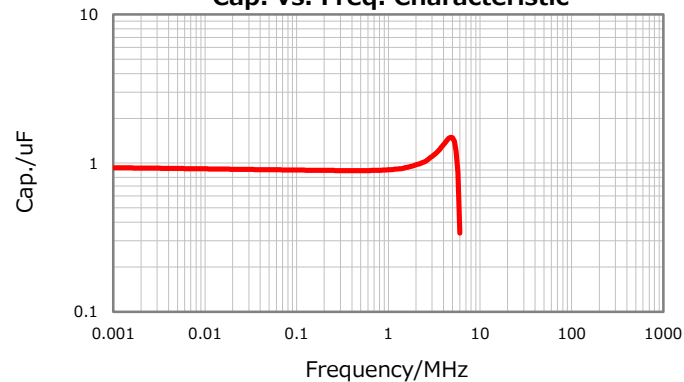
## AEC-Q200

Not Applicable

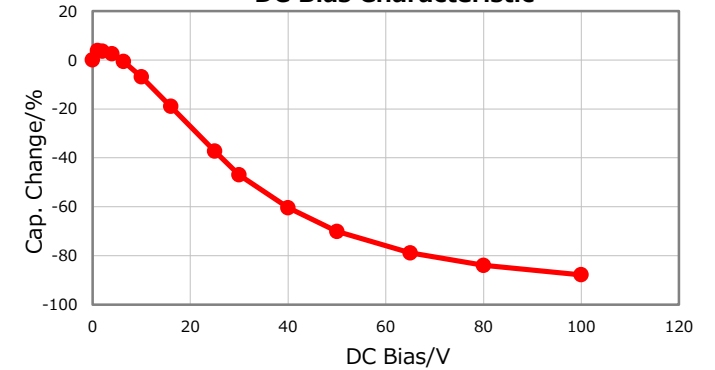
## |Z|, ESR vs. Freq. Characteristics (Simulation Data)



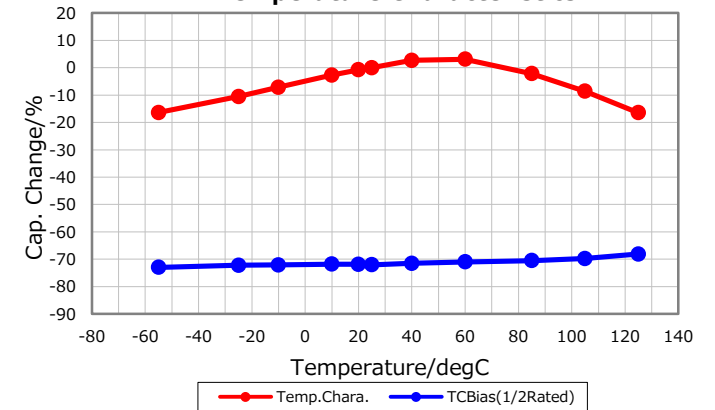
## Cap. vs. Freq. Characteristic



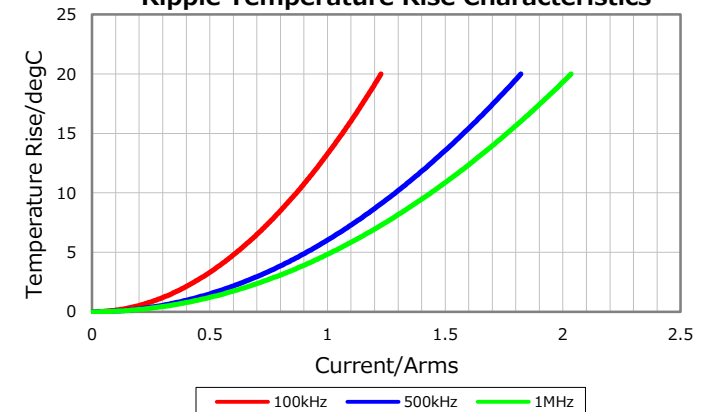
## DC Bias Characteristic



## Temperature Characteristics



## Ripple Temperature Rise Characteristics



Characterization Sheet ( Multilayer Ceramic Chip Capacitors )



All specifications are subject to change without notice.

March 16, 2017