

# C2012X5R1E105M085AC

--- Multilayer Ceramic Chip Capacitor (MLCC) ---

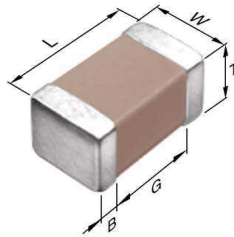


## Application & Main Feature

Commercial Grade ( General (Up to 50V) )

## Series

C2012 [EIA CC0805]



## Dimensions

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

## Temperature Characteristic

X5R (-55 to 85 degC +/-15%)

## Rated Voltage

1E (25Vdc)

## Capacitance

1uF

## Capacitance Tolerance

M (+/-20%)

## Dissipation Factor

5% Max.

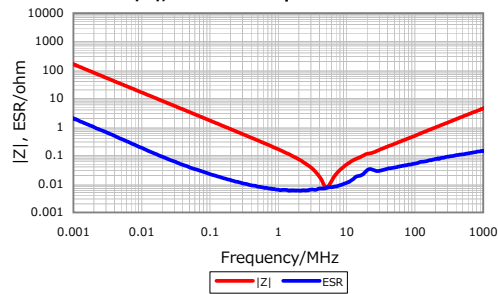
## Insulation Resistance

100Mohm Min.

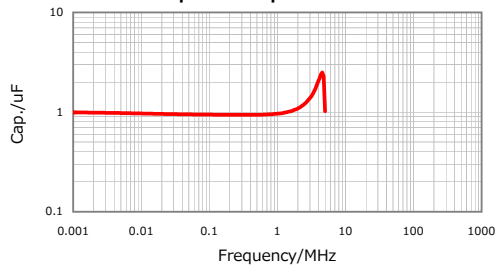
## AEC-Q200

Not Applicable

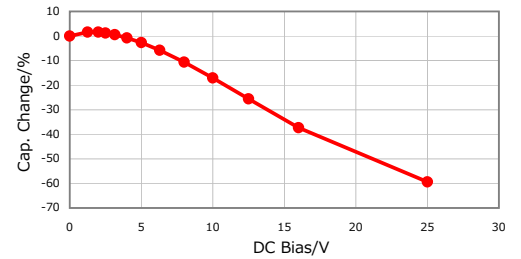
**|Z|, ESR vs. Freq. Characteristics**



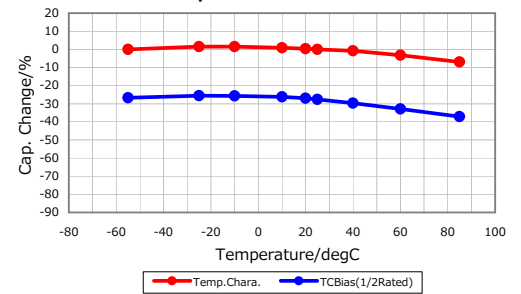
**Cap. vs. Freq. Characteristic**



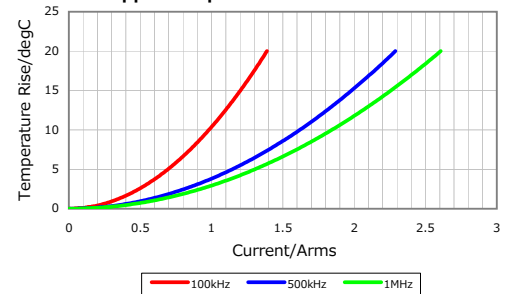
**DC Bias Characteristic**



**Temperature Characteristic**



**Ripple Temperature Rise Characteristic**



Characterization Sheet



All specifications are subject to change without notice.

December 22, 2012