

# C2012X7R1C475K125AE

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



## 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

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

## Rated Voltage

1C (16Vdc)

## Capacitance

4.7uF

## Capacitance Tolerance

K (+/-10%)

## Dissipation Factor

7.5% Max.

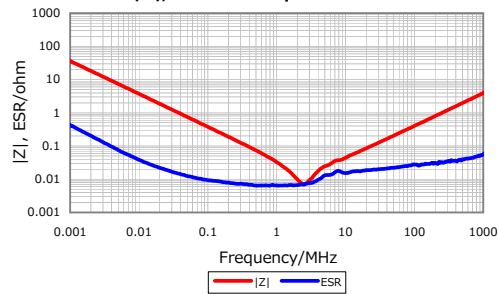
## Insulation Resistance

21Mohm Min.

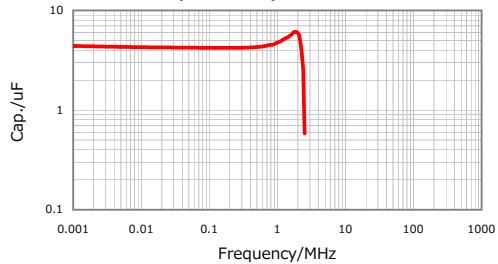
## AEC-Q200

Not Applicable

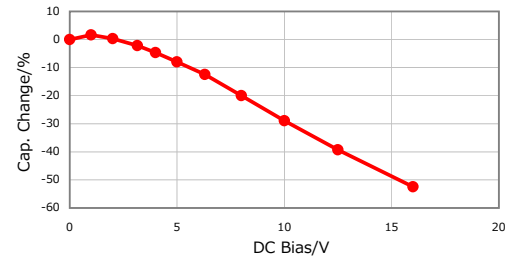
|Z|, ESR vs. Freq. Characteristics



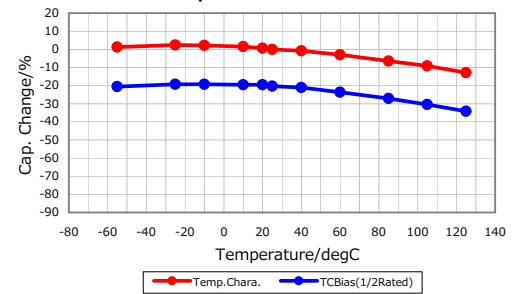
Cap. vs. Freq. Characteristic



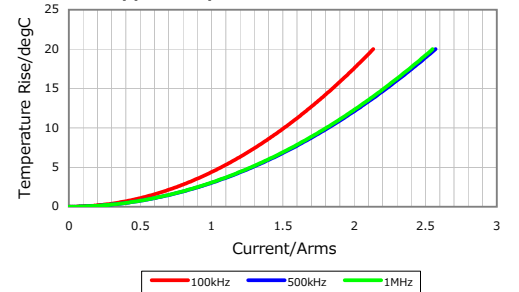
DC Bias Characteristic



Temperature Characteristic



Ripple Temperature Rise Characteristic



Characterization Sheet



All specifications are subject to change without notice.

December 22, 2012