



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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# C0510X5R1C104M030AC

TDK Item Description : C0510X5R1C104MT\*\*\*\*

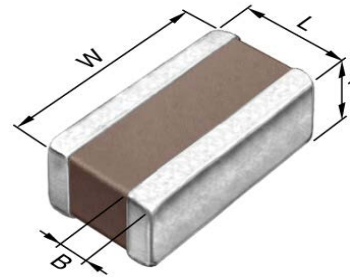


## Application & Main Feature

Commercial Grade ( Low ESL Reverse Geometry )

## Series

C0510 [EIA 0204]



## Dimensions

L	0.52mm +/-0.05mm
W	1.00mm +/-0.05mm
T	0.30mm +/-0.05mm
B	0.10mm Min.

## Temperature Characteristic

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

## Rated Voltage

1C (16Vdc)

## Capacitance

100nF

## Capacitance Tolerance

M (+/-20%)

## Dissipation Factor

5% Max.

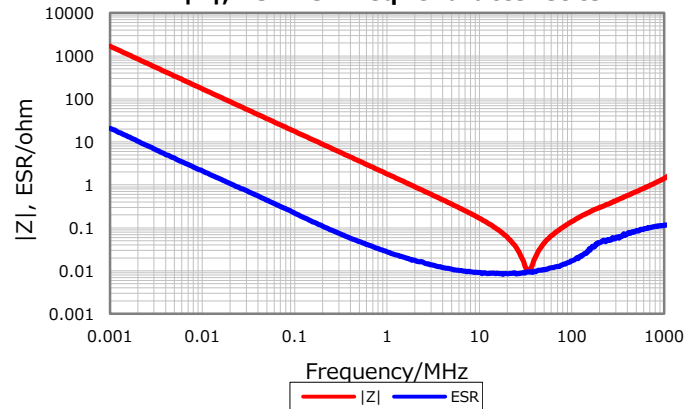
## Insulation Resistance

1Gohm Min

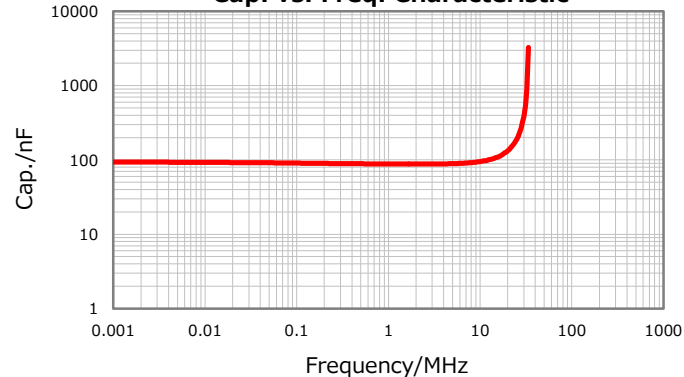
## AEC-Q200

Not Applicable

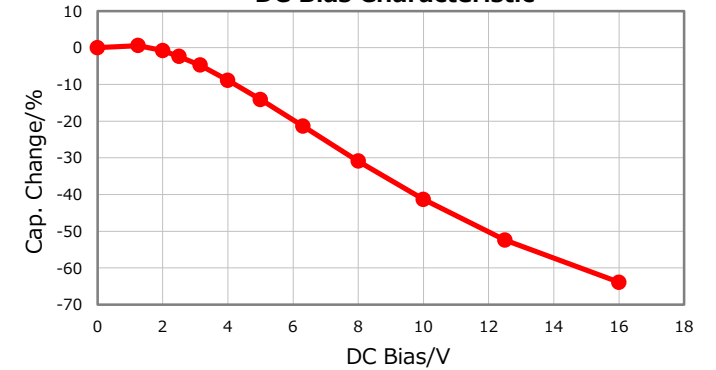
## |Z|, ESR vs. Freq. Characteristics



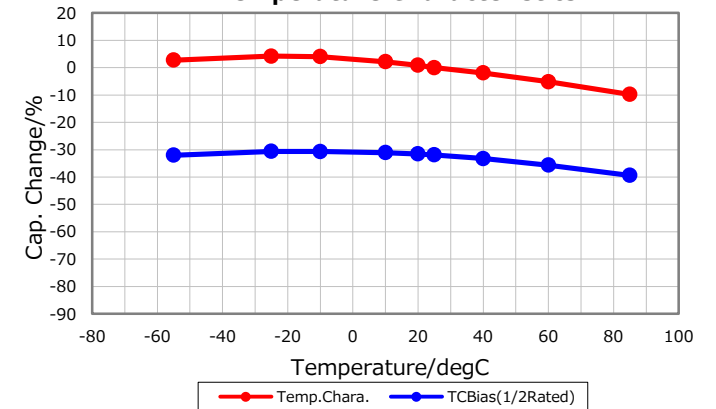
## Cap. vs. Freq. Characteristic



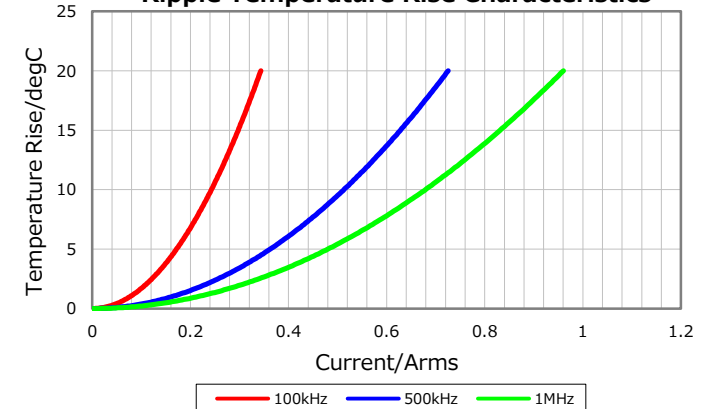
## DC Bias Characteristic



## Temperature Characteristics



## Ripple Temperature Rise Characteristics



Characterization Sheet (Multilayer Ceramic Chip Capacitors)



All specifications are subject to change without notice.

July 6, 2016