C1005X8R2A151M050BE

TDK Item Description : C1005X8R2A151MT***S

Lead Free | Halogen Free | REACH | RoHS COMPLIANT

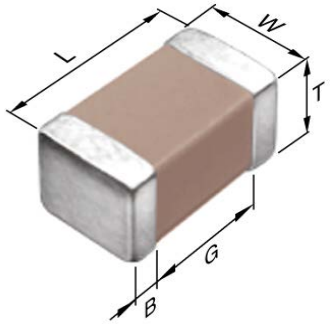
Characterization Sheet (Multilayer Ceramic Chip Capacitors)

Application & Main Feature

Commericial Grade (Soft Termination)

Series

C1005 [EIA CC0402]



Dimensions

L	1.00mm +0.15,-0.05mm
W	0.50mm +0.1,-0.05mm
T	0.50mm +0.1,-0.05mm
B	0.10mm Min.
G	0.30mm Min.

Temperature Characteristic

X8R (-55 to 150 degC +/-15%)

Rated Voltage

2A (100Vdc)

Capacitance

150pF

Capacitance Tolerance

M (+/-20%)

Dissipation Factor

3% Max.

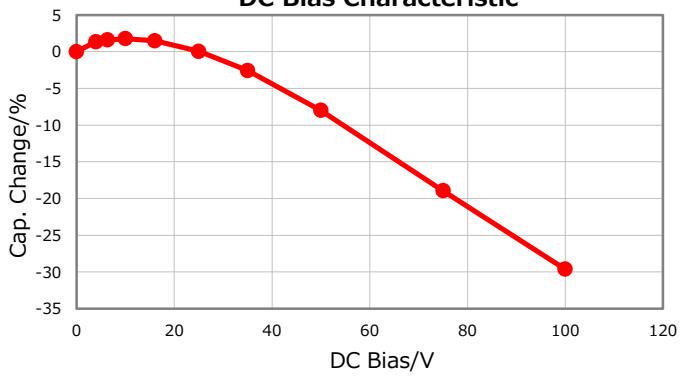
Insulation Resistance

10Gohm Min

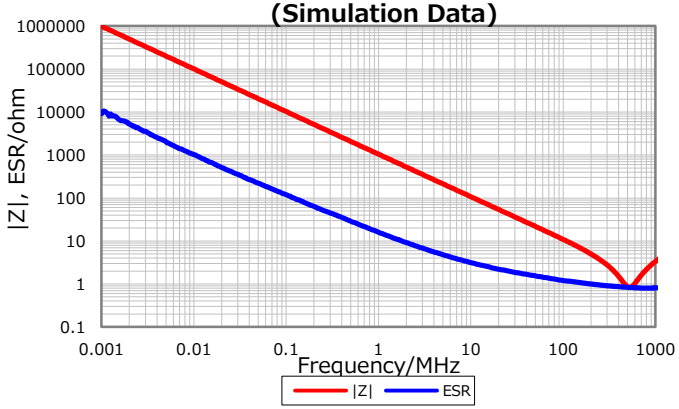
AEC-Q200

Not Applicable

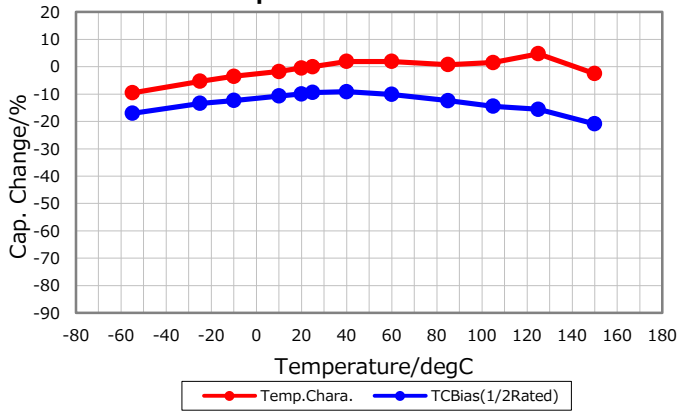
DC Bias Characteristic



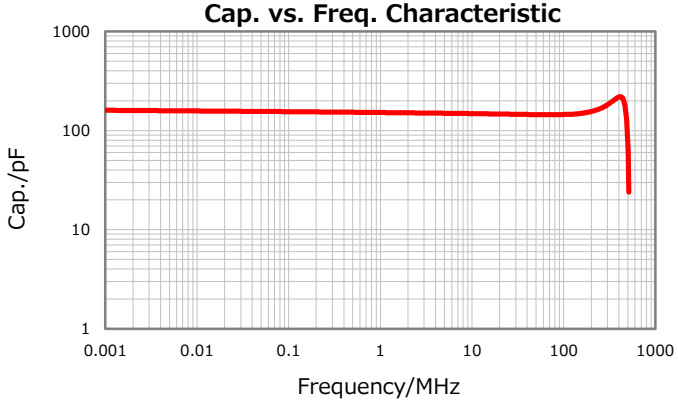
|Z|, ESR vs. Freq. Characteristics (Simulation Data)



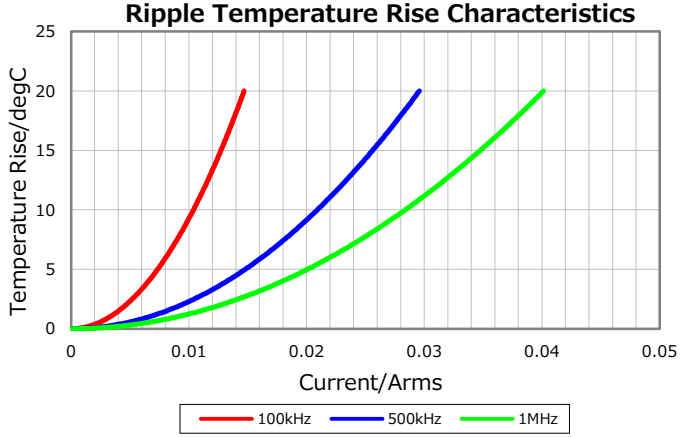
Temperature Characteristics



Cap. vs. Freq. Characteristic



Ripple Temperature Rise Characteristics



TDK

All specifications are subject to change without notice.

March 16, 2017