

Chip Monolithic Ceramic Capacitor

Electrical Characteristics Data

0402 X5R 1uF 10V(0402X105K100CT)

1. Dimension



Size Inch (mm)	L (mm)	W (mm)	T (mm)
0402 (1005)	1.00±0.05	0.50±0.05	0.50±0.05

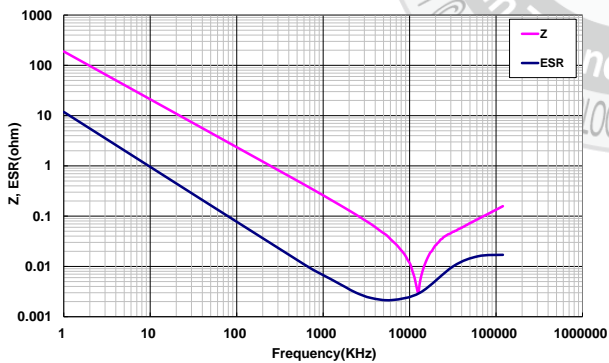
2. Cap, DF, IR @25°C

(Cap, DF @1KHz, 1Vrms ; IR @10V, 120sec)

Item	Spec
Cap [uF]	1 (±10%)
DF	≤ 15%
IR [G-ohm]	≥ 0.05

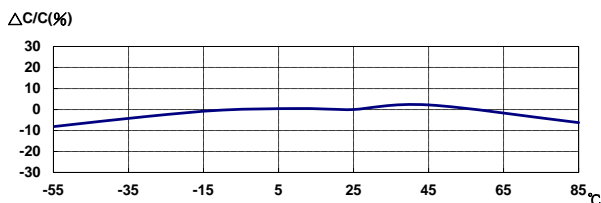
3. Impedance/ESR-Frequency

(Equipment: 4990A)



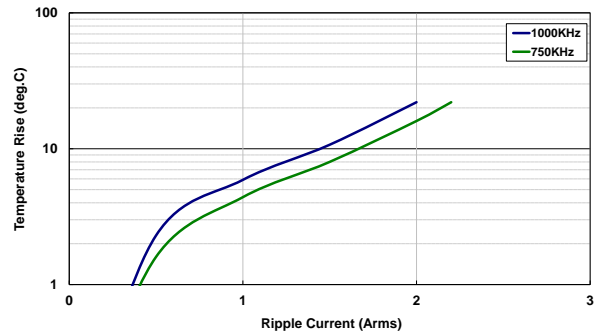
4. Capacitance – Temperature Characteristics

(Equipment: 4980A)



5. Temperature Rise – Ripple Current

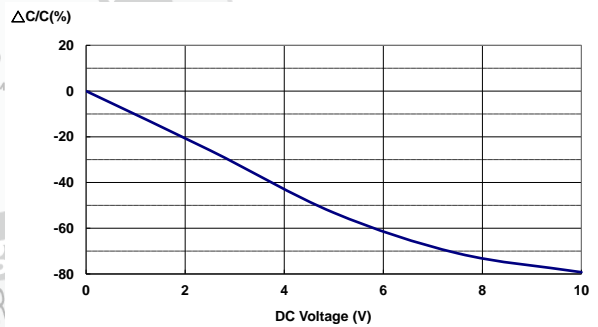
(Equipment: 11810)



6. Capacitance – DC Voltage Characteristics

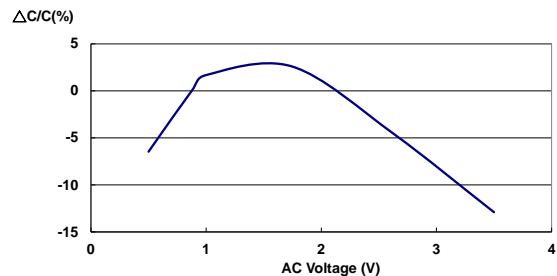
(Equipment: 4980A; DC charge 60±5sec)

5V : -53.21% ; 10V : -79.24%



7. Capacitance – AC Voltage Characteristics

(Equipment: 4980A)



Last updated : 2021/02/08