

Chip Monolithic Ceramic Capacitor

Electrical Characteristics Data

0402 X7R 0.1uF 10V(0402B104M100CT)

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

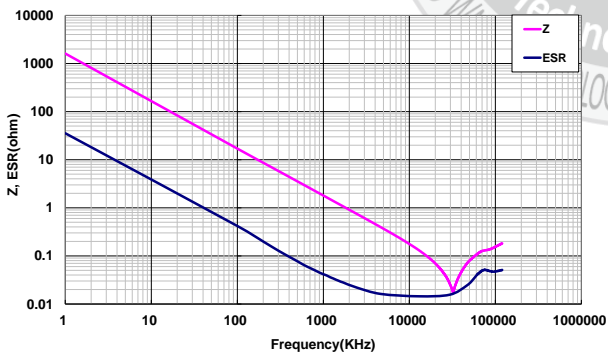
2. Cap, DF, IR @25°C

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

Item	Spec
Cap [uF]	0.1 (±20%)
DF	≤ 5%
IR [G-ohm]	≥ 5

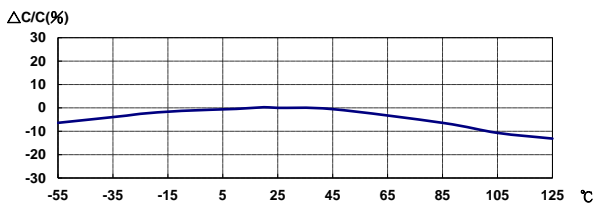
3. Impedance/ESR-Frequency

(Equipment: 4990A)



4. Capacitance – Temperature Characteristics

(Equipment: 4284A)



5. Temperature Rise – Ripple Current

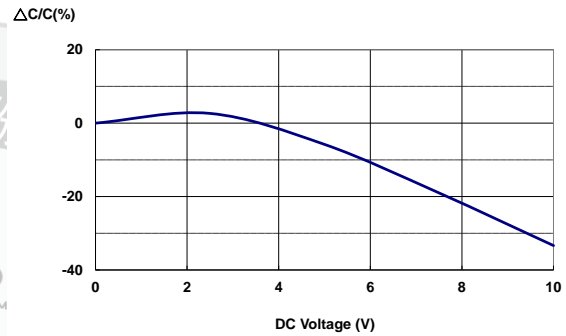
(Equipment: 11810)

Over the measure limit.

6. Capacitance – DC Voltage Characteristics

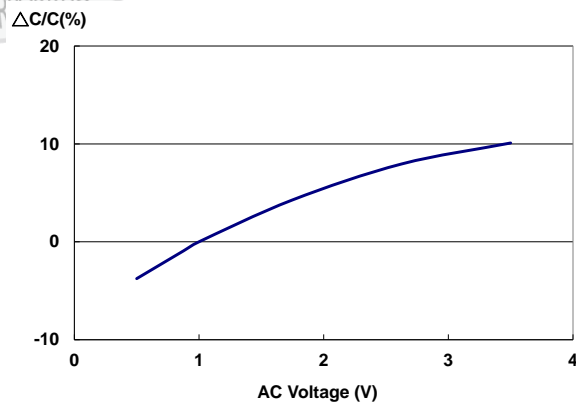
(Equipment: 4980A; DC charge 60±5sec)

5V : -5.79% ; 10V : -33.34%



7. Capacitance – AC Voltage Characteristics

(Equipment: 4980A)



Last updated : 2020/05/12