

Chip Monolithic Ceramic Capacitor

Electrical Characteristics Data

0402 X5R 0.1 uF 25V (0402X104M250CT)

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

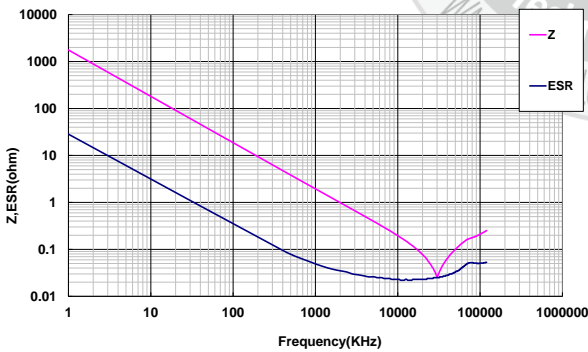
2. Cap, DF, IR @25°C

(Cap, DF @1KHz, 1Vrms ; IR @25V, 120sec)

Item	Spec
Cap [uF]	0.1(±20%)
DF	≤ 10%
IR [G-ohm]	≥ 5

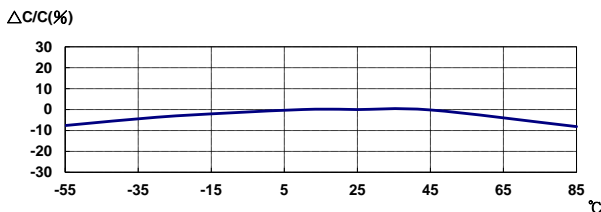
3. Impedance/ESR-Frequency

(Equipment: 4990A)



4. Capacitance – Temperature Characteristics

(Equipment: 4284A)



5. Temperature Rise – Ripple Current

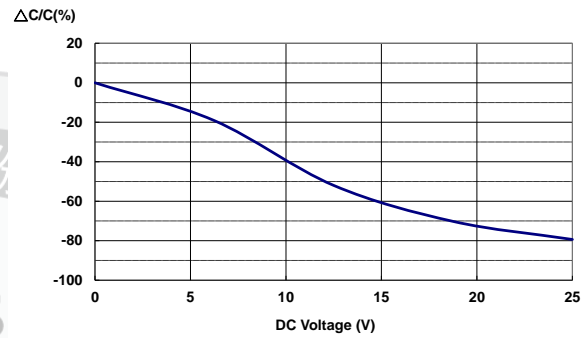
(Equipment: 11810)

Over the measure limit.

6. Capacitance – DC Voltage Characteristics

(Equipment: E4980A; DC charge 60±5sec)

12.5V : -51.98% ; 25V : -79.36%



7. Capacitance – AC Voltage Characteristics

(Equipment: E4980A)

