

Chip Monolithic Ceramic Capacitor

Electrical Characteristics Data

0402 X5R 0.22 uF 10V (0402X224K100CT)

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

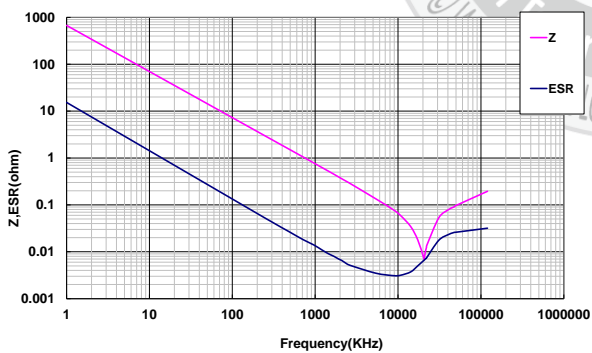
2. Cap, DF, IR @25°C

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

Item	Spec
Cap [uF]	0.22(±10%)
DF	≤ 10%
IR [G-ohm]	≥ 2.27

3. Impedance/ESR-Frequency

(Equipment: 4990A)



5. Temperature Rise – Ripple Current

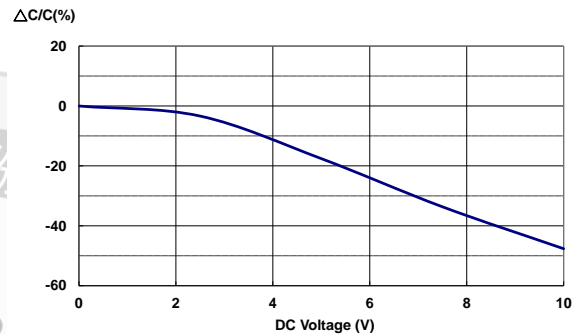
(Equipment: 11810)

Over the measure limit.

6. Capacitance – DC Voltage Characteristics

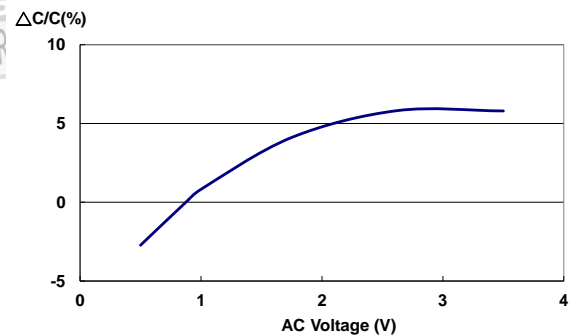
(Equipment: 4980A; DC charge 60±5sec)

5V : -17.57% ; 10V : -47.66%



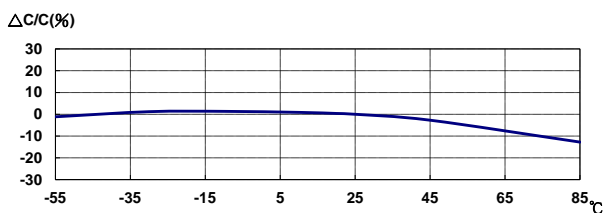
7. Capacitance – AC Voltage Characteristics

(Equipment: 4980A)



4. Capacitance – Temperature Characteristics

(Equipment: 4284A)



Last updated : 2020/09/10