

Chip Monolithic Ceramic Capacitor

## Electrical Characteristics Data

### 0402 NPO 8.2pF 50V (0402N8R2C500CT)

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

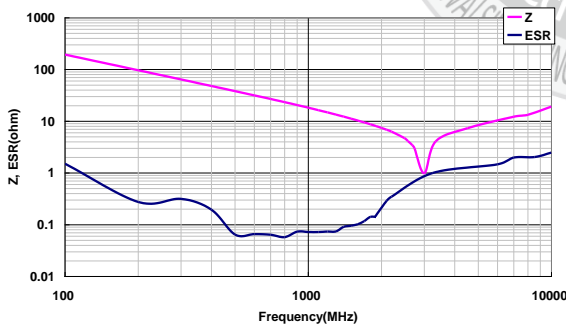
2. Cap, DF, IR @25°C

(Cap, DF @1MHz, 1Vrms ; IR @50V, 120sec)

Item	Spec
Cap [pF]	8.2(±0.25 pF)
DF	≤0.177%
IR [G-ohm]	>10

3. Impedance/ESR-Frequency

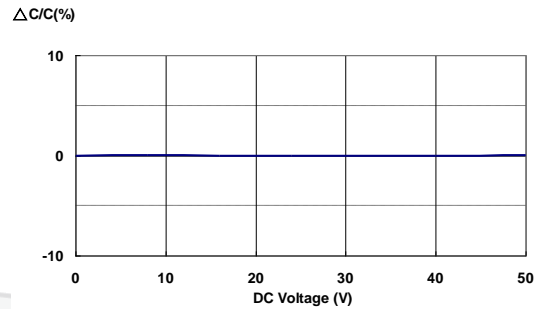
(Equipment: 4287A+ENA5071C)



5. Capacitance – DC Voltage Characteristics

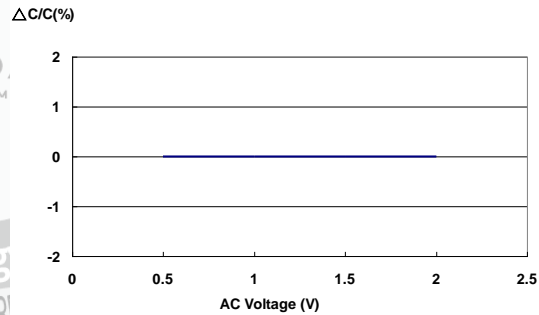
(Equipment: 4284A; DC charge 60±5sec)

25V : 0% ; 50V : 0%



6. Capacitance – AC Voltage Characteristics

(Equipment: 4284A)



4. Capacitance – Temperature Characteristics

(Equipment: 4284A)

≤10 pF , The TCC measurement is unstable and high deviation