

Chip Monolithic Ceramic Capacitor

Electrical Characteristics Data

0603 NPO 5pF 50V (0603N5R0C500CT)

1. Dimension



| Size Inch (mm) | L (mm) | W (mm) | T (mm) |
|----------------|-----------|-----------|-----------|
| 0603 (1608) | 1.60±0.10 | 0.80±0.10 | 0.80±0.07 |

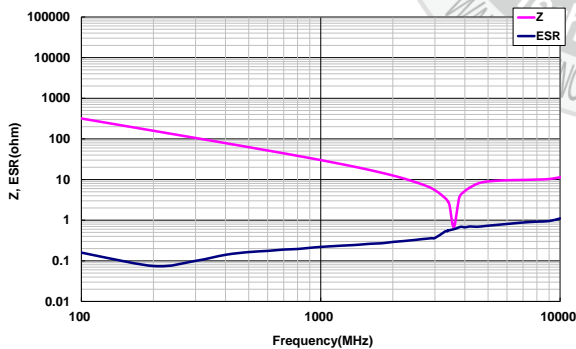
2. Cap, DF, IR @25°C

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

| Item | Spec |
|------------|-------------|
| Cap [pF] | 5(±0.25 pF) |
| DF | ≤ 0.2% |
| IR [G-ohm] | >10 |

3. Impedance/ESR-Frequency

(Equipment: 4287A+ENA5071C)



4. Capacitance – Temperature Characteristics

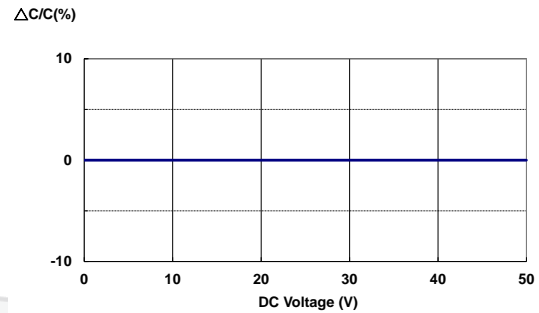
(Equipment: 4284A)

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

5. Capacitance – DC Voltage Characteristics

(Equipment: 4284A; DC charge 60±5sec)

25V :0% ; 50V :0%



6. Capacitance – AC Voltage Characteristics

(Equipment: 4284A)

