

Chip Monolithic Ceramic Capacitor

Electrical Characteristics Data

0603 X7R 270pF 50V (0603B271K500CT)

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 |

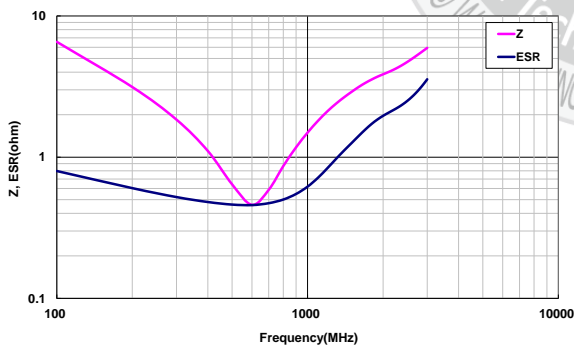
2. Cap, DF, IR @25°C

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

| Item | Spec |
|------------|------------|
| Cap [pF] | 270 (±10%) |
| DF | ≤ 2.5% |
| IR [G-ohm] | ≥ 10 |

3. Impedance/ESR-Frequency

(Equipment: 4287A)

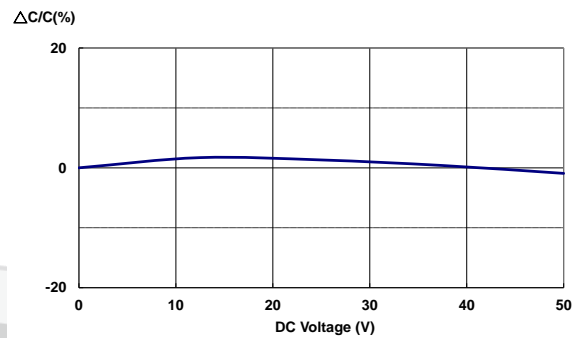


5. Capacitance – DC Voltage Characteristics

(Equipment: 4980A+B1505A+N1259A)

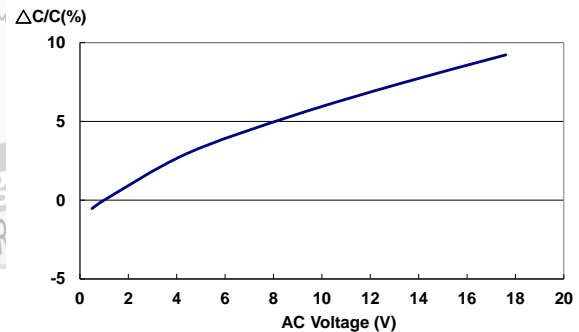
(DC charge 60±5sec)

25V : 1.32% ; 50V : -0.93%



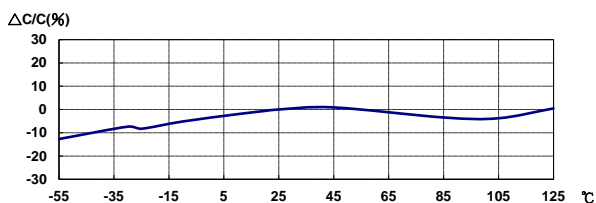
6. Capacitance – AC Voltage Characteristics

(Equipment: 4980A)



4. Capacitance – Temperature Characteristics

(Equipment: 4284A)



Last updated : 2019/09/25