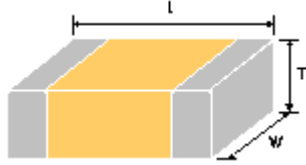


Chip Monolithic Ceramic Capacitor

Electrical Characteristics Data

0603 X7R 0.1uF 50V(0603B104K500CT)

1. Dimension



| Size Inch (mm) | L (mm) | W (mm) | T (mm) |
|----------------|-----------------|-----------------|-----------------|
| 0603 (1608) | 1.60±0.15/-0.10 | 0.80±0.15/-0.10 | 0.80±0.15/-0.10 |

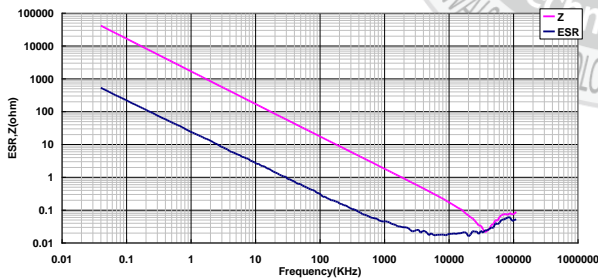
2. Cap, DF, IR @25°C

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

| Item | Spec |
|------------|------------|
| Cap [uF] | 0.1 (±10%) |
| DF | ≤ 3% |
| IR [G-ohm] | ≥ 5 |

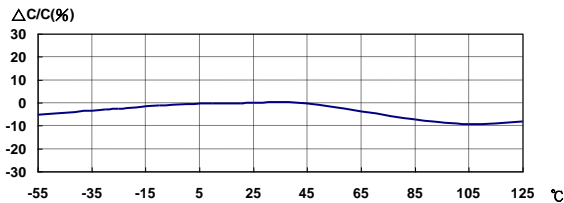
3. Impedance/ESR-Frequency

(Equipment: 4294A)



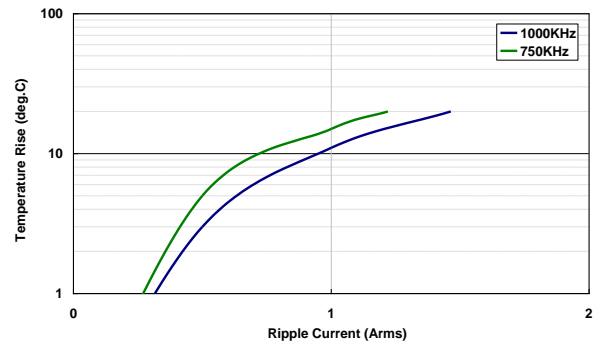
4. Capacitance – Temperature Characteristics

(Equipment: 4284A)



5. Temperature Rise – Ripple Current

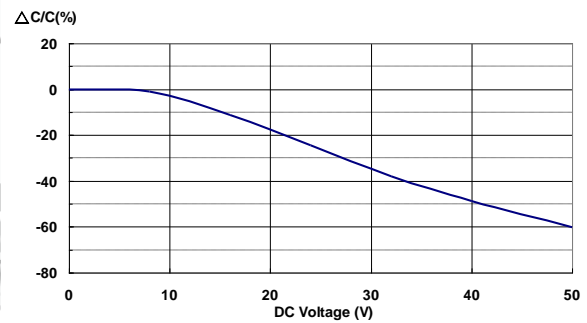
(Equipment: 11810)



6. Capacitance – DC Voltage Characteristics

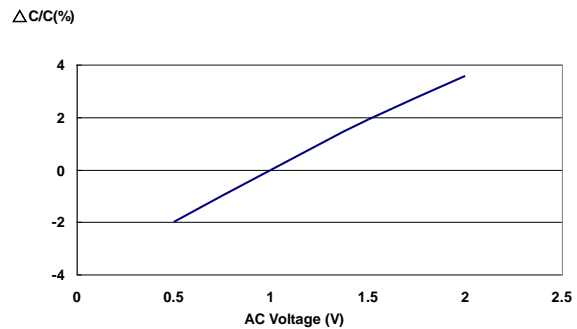
(Equipment: 4284A; DC charge 60±5sec)

25V : -24.40% ; 50V :-60.03%



7. Capacitance – AC Voltage Characteristics

(Equipment: 4284A)



Last updated : 2018/05/28