

Chip Monolithic Ceramic Capacitor

Electrical Characteristics Data

0805 X7R 0.1uF 16V(0805B104K160CT)

1. Dimension



| Size Inch (mm) | L (mm) | W (mm) | T (mm) |
|-------------------|-----------|-----------|-----------|
| 0805 (2012) | 2.00±0.15 | 1.25±0.10 | 0.80±0.10 |

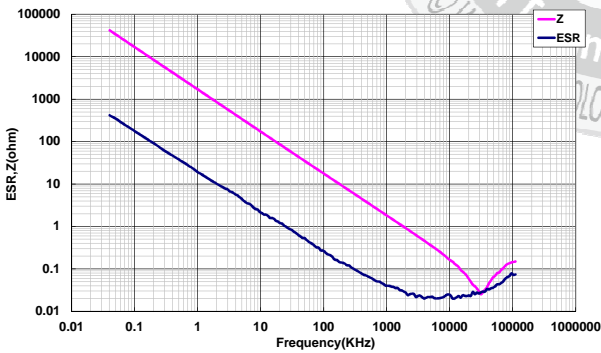
2. Cap, DF, IR @25°C

(Cap, DF @1KHz, 1Vrms ; IR @16V, 120sec)

| Item | Spec |
|------------|------------|
| Cap [uF] | 0.1 (±10%) |
| DF | ≤ 3.5% |
| IR [G-ohm] | >5 |

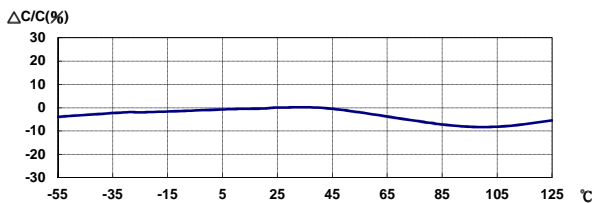
3. Impedance/ESR-Frequency

(Equipment: 4294A)



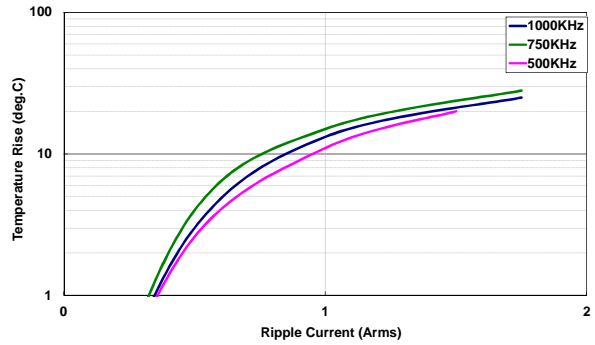
4. Capacitance – Temperature Characteristics

(Equipment: 4284A)



5. Temperature Rise – Ripple Current

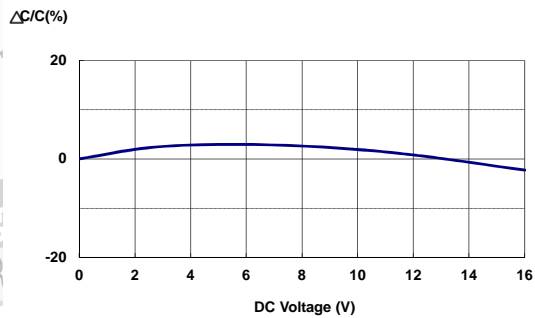
(Equipment: 11810)



6. Capacitance – DC Voltage Characteristics

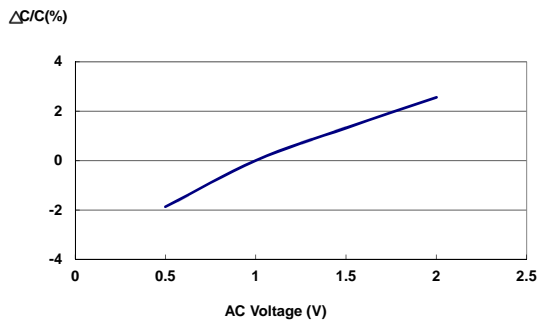
(Equipment: 4284A; DC charge 60±5sec)

8V : 2.73% ; 16V : -2.28%



7. Capacitance – AC Voltage Characteristics

(Equipment: 4284A)



Last updated : 2018/07/27