

Chip Monolithic Ceramic Capacitor

## Electrical Characteristics Data

### 0805 X7R 0.1uF 50V(0805B104J500CT)

#### 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 |

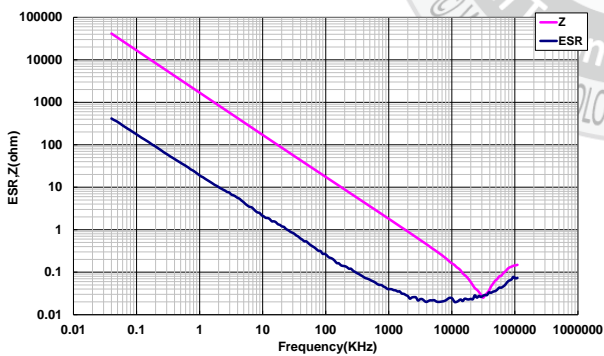
#### 2. Cap, DF, IR @25°C

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

| Item       | Spec      |
|------------|-----------|
| Cap [uF]   | 0.1 (±5%) |
| DF         | ≤ 2.5%    |
| IR [G-ohm] | >5        |

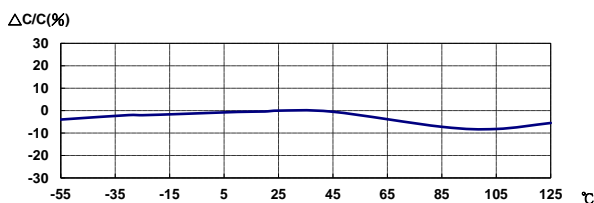
#### 3. Impedance/ESR-Frequency

(Equipment: 4294A)



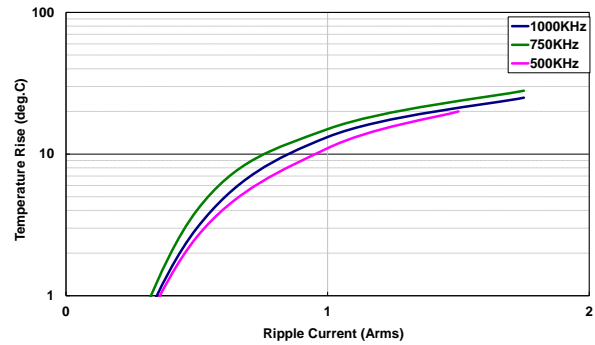
#### 4. Capacitance – Temperature Characteristics

(Equipment: 4284A)



#### 5. Temperature Rise – Ripple Current

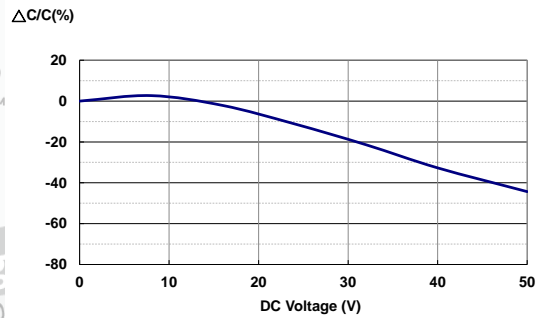
(Equipment: 11810)



#### 6. Capacitance – DC Voltage Characteristics

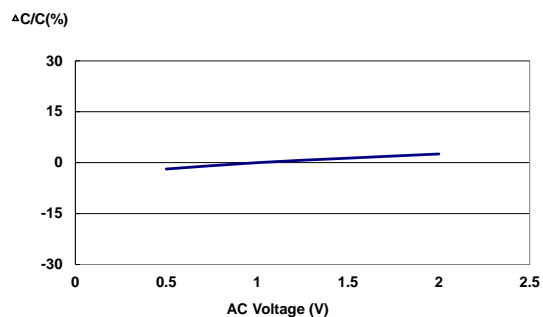
(Equipment: 4284A; DC charge 60±5sec)

25V : -11.14% ; 50V : -44.33%



#### 7. Capacitance – AC Voltage Characteristics

(Equipment: 4284A)



Last updated : 2018/05/21