

Chip Monolithic Ceramic Capacitor

Electrical Characteristics Data

0805 Y5V 0.1uF 50V(0805F104Z500CT)

1. Dimension



| Size Inch (mm) | L (mm) | W (mm) | T (mm) |
|----------------|-----------|-----------|-----------|
| 0805 (2012) | 2.00±0.15 | 1.25±0.10 | 0.60±0.10 |

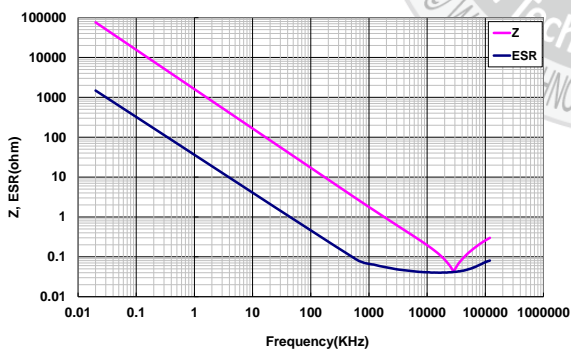
2. Cap, DF, IR @25°C

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

| Item | Spec |
|------------|----------------|
| Cap [uF] | 0.1 (-20/+80%) |
| DF | ≤ 5% |
| IR [G-ohm] | ≥ 5 |

3. Impedance/ESR-Frequency

(Equipment: 4990A)



5. Temperature Rise – Ripple Current

(Equipment: 11810)

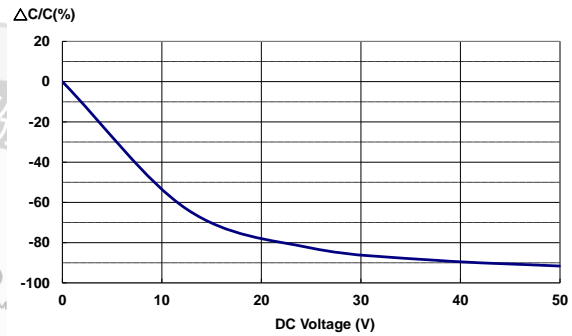
Over the measure limit.

6. Capacitance – DC Voltage Characteristics

(Equipment: 4980A+B1505A+N1259A)

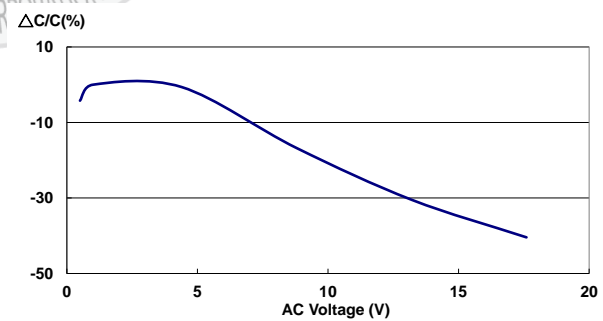
(DC charge 60±5sec)

25V : -82.67% ; 50V : -91.63%



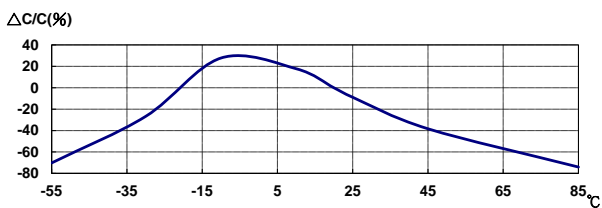
7. Capacitance – AC Voltage Characteristics

(Equipment: 4980A)



4. Capacitance – Temperature Characteristics

(Equipment: 4284A)



Last updated : 2020/04/27