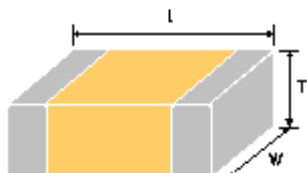


Chip Monolithic Ceramic Capacitor

## Electrical Characteristics Data

### 0402 X7R 330pF 50V(0402B331K500CT)

#### 1. Dimension



| Size<br>Inch (mm) | L (mm)    | W (mm)    | T (mm)    |
|-------------------|-----------|-----------|-----------|
| 0402<br>(1005)    | 1.00±0.05 | 0.50±0.05 | 0.50±0.05 |

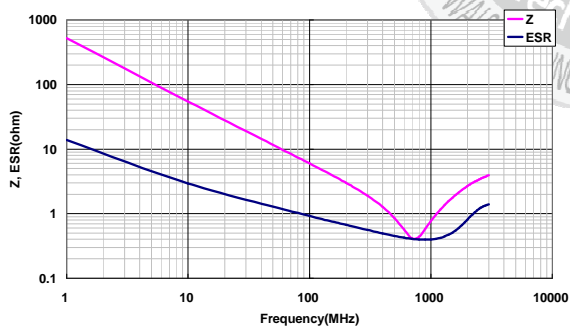
#### 2. Cap, DF, IR @25°C

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

| Item       | Spec      |
|------------|-----------|
| Cap [pF]   | 330(±10%) |
| DF         | ≤ 2.5%    |
| IR [G-ohm] | >10       |

#### 3. Impedance/ESR-Frequency

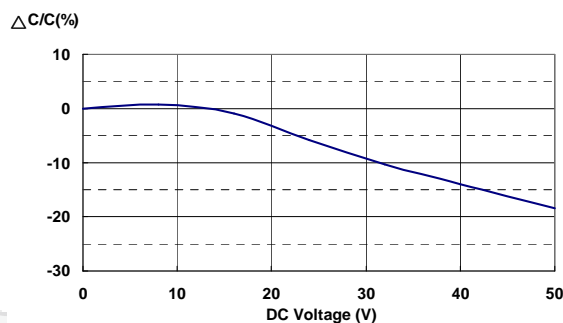
(Equipment: 4287A)



#### 5. Capacitance – DC Voltage Characteristics

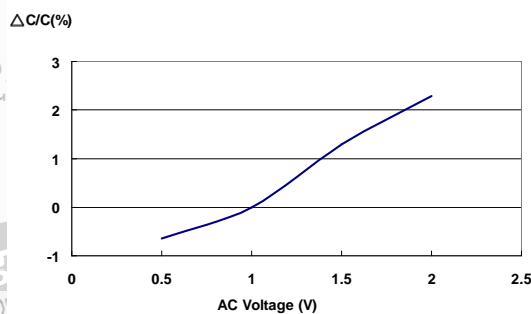
(Equipment: 4284A; DC charge 60±5sec)

25V : -5.87% ; 50V : -18.40%



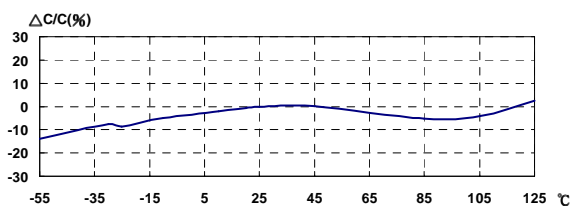
#### 6. Capacitance – AC Voltage Characteristics

(Equipment: 4284A)



#### 4. Capacitance – Temperature Characteristics

(Equipment: 4284A)



Last updated : 2018/06/12