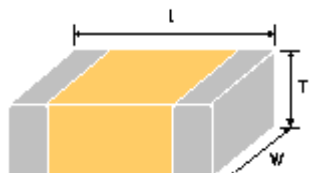


Chip Monolithic Ceramic Capacitor

## 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 |

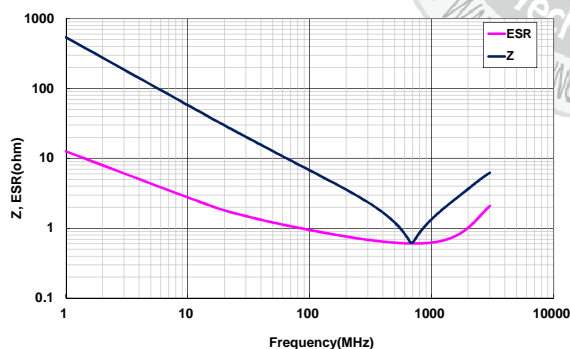
#### 2. Cap, DF, IR @25°C

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

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

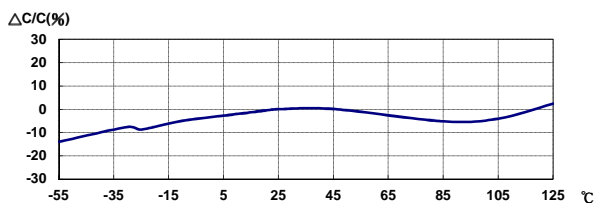
#### 3. Impedance/ESR-Frequency

(Equipment: 4991B)



#### 4. Capacitance – Temperature Characteristics

(Equipment: 4284A)

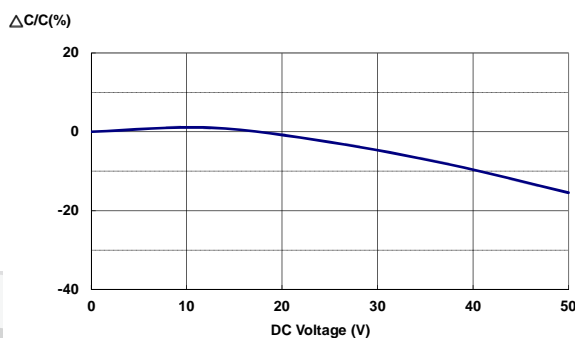


#### 5. Capacitance – DC Voltage Characteristics

(Equipment: 4980A+B1505A+N1259A)

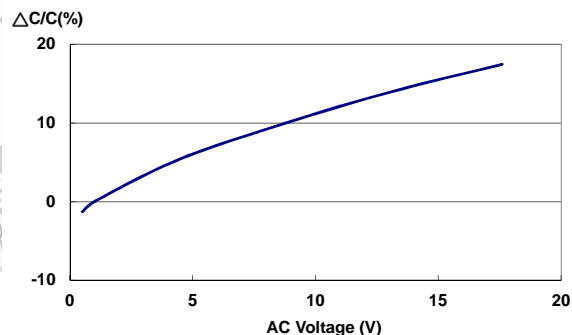
(DC charge 60±5sec)

25V : -2.65% ; 50V : -15.47%



#### 6. Capacitance – AC Voltage Characteristics

(Equipment: 4980A)



Last updated : 2019/11/04