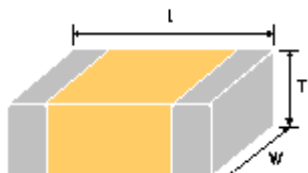


Chip Monolithic Ceramic Capacitor

## Electrical Characteristics Data

### 0402 X7R 2.2nF 50V(0402B222K500CT)

#### 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 |

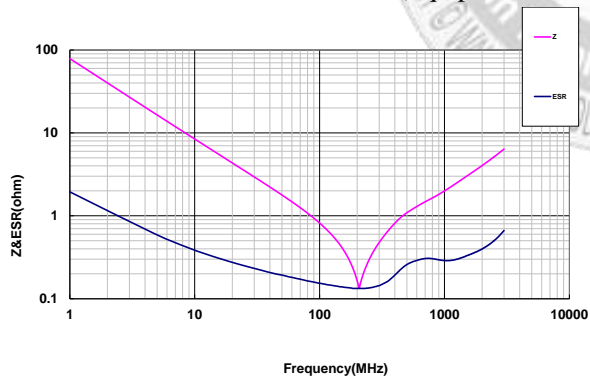
#### 2. Cap, DF, IR @25°C

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

| Item       | Spec      |
|------------|-----------|
| Cap [nF]   | 2.2(±10%) |
| DF         | ≤ 2.5%    |
| IR [G-ohm] | ≥ 10      |

#### 3. Impedance/ESR-Frequency

(Equipment: 4991B)

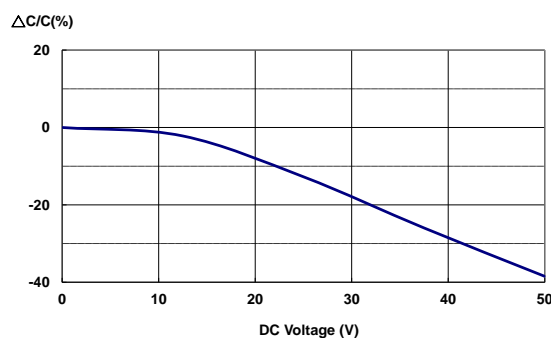


#### 5. Capacitance – DC Voltage Characteristics

(Equipment: E4980A+B1505A+N1259A)

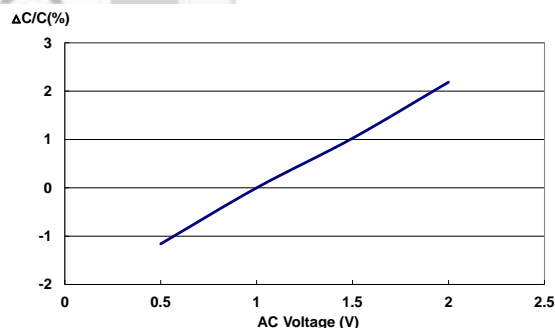
(DC charge 60±5sec)

25V : -12.74% ; 50V : -38.47%



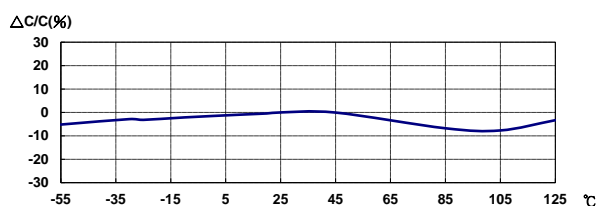
#### 6. Capacitance – AC Voltage Characteristics

(Equipment: 4284A)



#### 4. Capacitance – Temperature Characteristics

(Equipment: 4284A)



Last updated : 2020/10/22