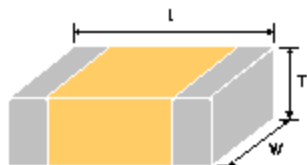


Chip Monolithic Ceramic Capacitor

## Electrical Characteristics Data

### 0402 NPO 1nF 50V (0402N102G500CT)

#### 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 |

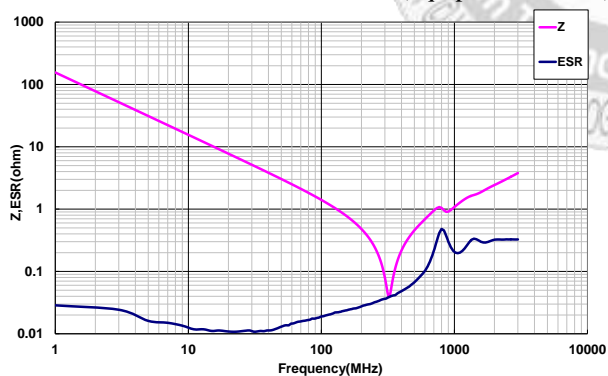
#### 2. Cap, DF, IR @25°C

(Cap, DF @1KHz, 1Vrms ; IR @50V, 120sec) 25V :0% ; 50V :0%

| Item       | Spec   |
|------------|--------|
| Cap [nF]   | 1(±2%) |
| DF         | ≤ 0.1% |
| IR [G-ohm] | ≥ 10   |

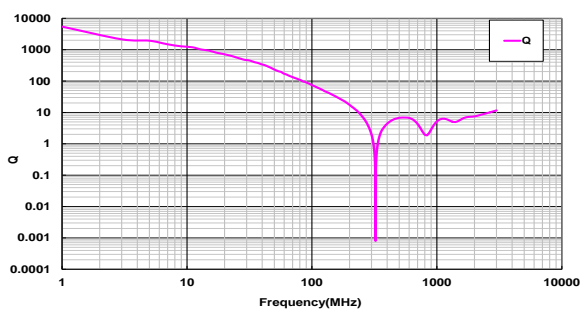
#### 3. Impedance/ESR-Frequency

(Equipment: 4991B)



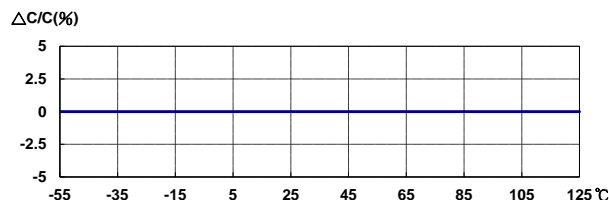
#### Q-Frequency

(Equipment: 4991B)



#### 4. Capacitance – Temperature Characteristics

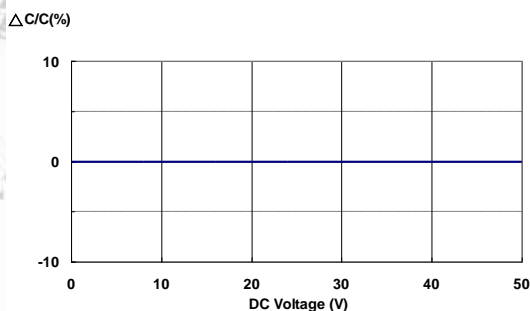
(Equipment: 4284A)



#### 5. Capacitance – DC Voltage Characteristics

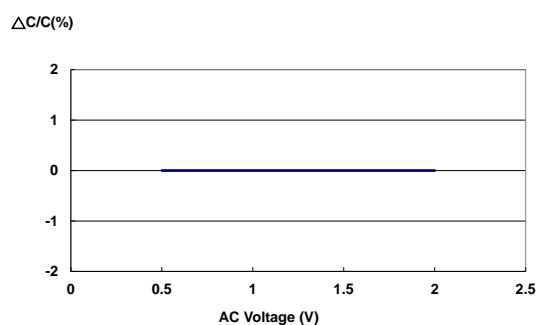
(Equipment: E4980A+B1505A+N1259A)

(DC charge 60±5sec)



#### 6. Capacitance – AC Voltage Characteristics

(Equipment: 4980A)



Last updated : 2023/01/18