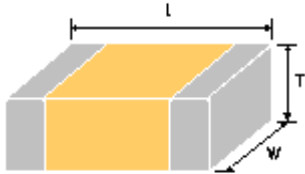


Chip Monolithic Ceramic Capacitor

## Electrical Characteristics Data

### 0603 X7R 56nF 50V(0603B563K500CT)

1. Dimension



| Size Inch (mm) | L (mm)          | W (mm)          | T (mm)          |
|----------------|-----------------|-----------------|-----------------|
| 0603 (1608)    | 1.60±0.15/-0.10 | 0.80±0.15/-0.10 | 0.80±0.15/-0.10 |

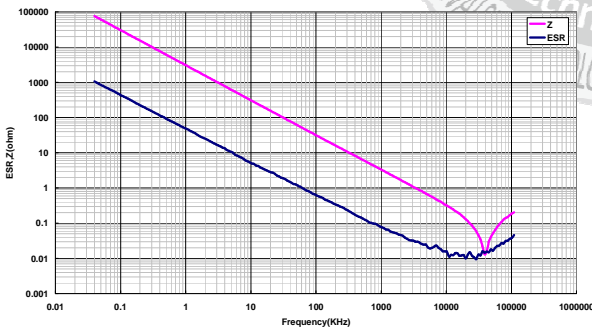
2. Cap, DF, IR @25°C

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

| Item       | Spec     |
|------------|----------|
| Cap [nF]   | 56(±10%) |
| DF         | ≤3%      |
| IR [G-ohm] | 8.93     |

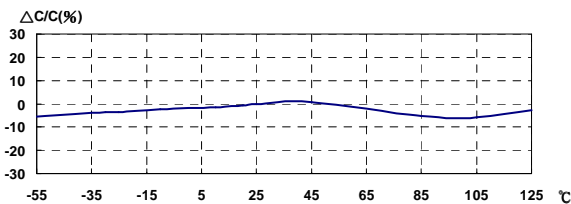
3. Impedance/ESR-Frequency

(Equipment: 4294A)



4. Capacitance – Temperature Characteristics

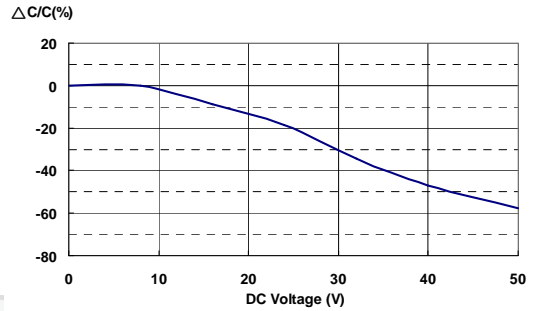
(Equipment: 4284A)



5. Capacitance – DC Voltage Characteristics

(Equipment: 4284A; DC charge 60±5sec)

25V : -18.57% ; 50V : -57.65%



6. Capacitance – AC Voltage Characteristics

(Equipment: 4284A)

