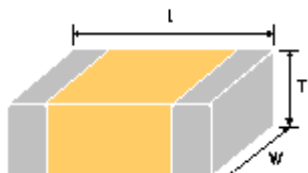


Chip Monolithic Ceramic Capacitor

## Electrical Characteristics Data

### 0603 X7R 8.2nF 50V(0603B822K500CT)

#### 1. Dimension



Size Inch (mm)	L (mm)	W (mm)	T (mm)
0603 (1608)	1.60±0.10	0.80±0.10	0.80±0.07

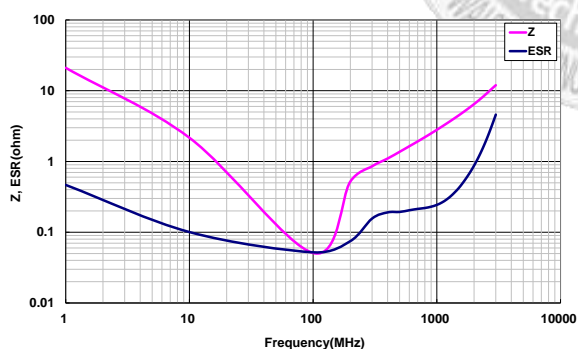
#### 2. Cap, DF, IR @ 25°C

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

Item	Spec
Cap [nF]	8.2(±10%)
DF	≤ 2.5%
IR [G-ohm]	≥ 10

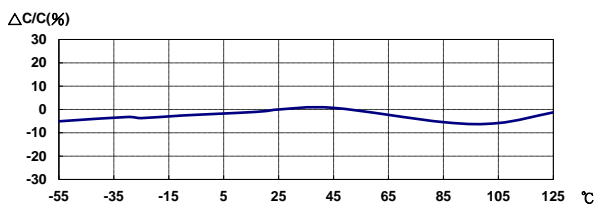
#### 3. Impedance/ESR-Frequency

(Equipment: 4287A)



#### 4. Capacitance – Temperature Characteristics

(Equipment: 4284A)

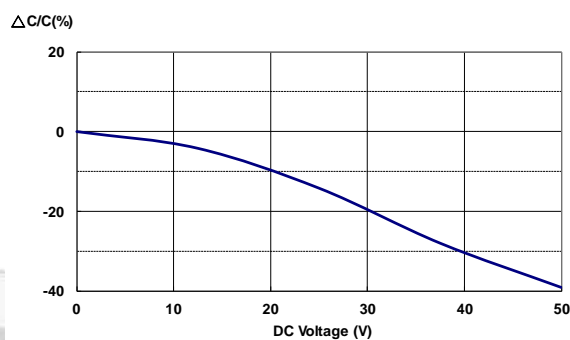


#### 5. Capacitance – DC Voltage Characteristics

(Equipment: 4980A+B1505A+N1259A)

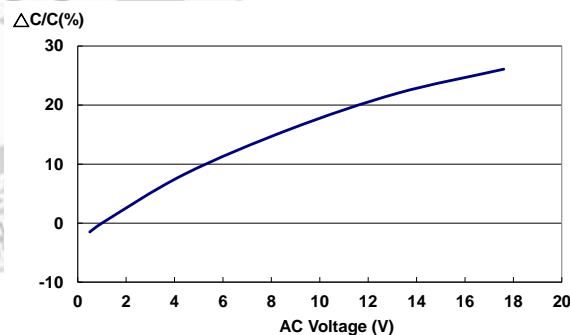
(DC charge 60±5sec)

25V : -14.20% ; 50V : -39.10%



#### 6. Capacitance – AC Voltage Characteristics

(Equipment: 4980A)



Last updated : 2019/09/25