

Chip Monolithic Ceramic Capacitor

## Electrical Characteristics Data

### 0603 X7R 1uF 16V(0603B105K160CT)

#### 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

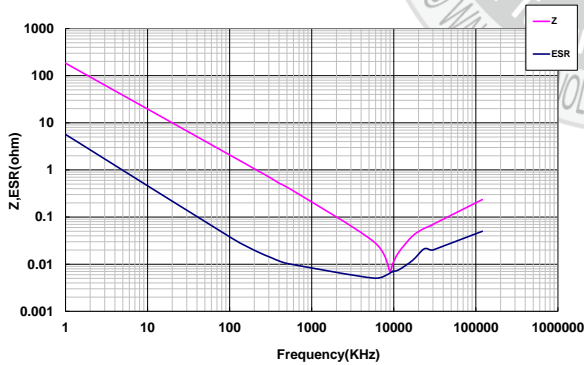
#### 2. Cap, DF, IR @25°C

(Cap, DF @1KHz, 1Vrms ; IR @16V, 120sec)

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

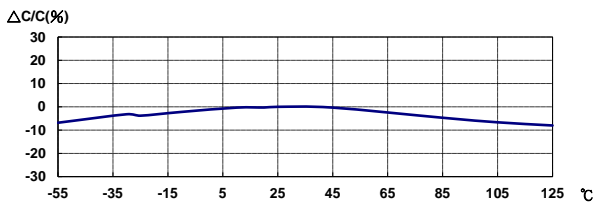
#### 3. Impedance/ESR-Frequency

(Equipment: 4990A)



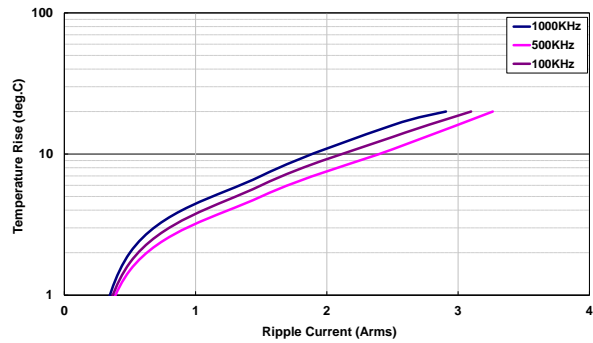
#### 4. Capacitance – Temperature Characteristics

(Equipment: 4284A)



#### 5. Temperature Rise – Ripple Current

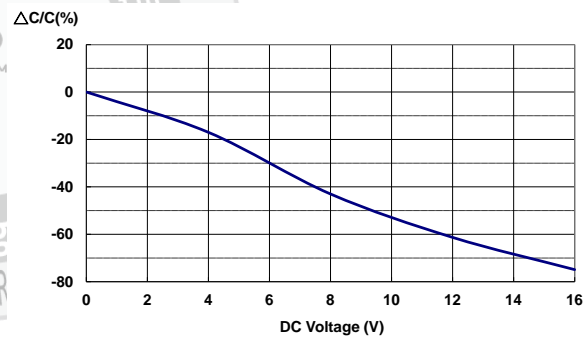
(Equipment: 11810)



#### 6. Capacitance – DC Voltage Characteristics

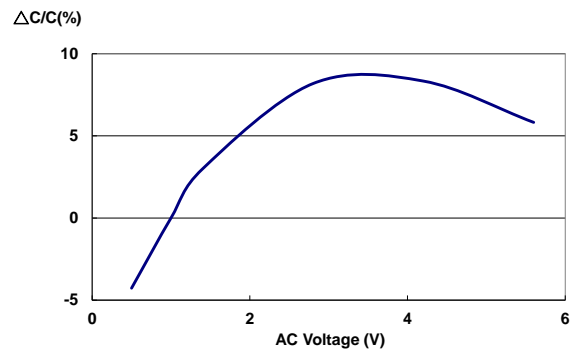
(Equipment: 4980A; DC charge 60±5sec)

8V : -43.0% ; 16V : -74.90%



#### 7. Capacitance – AC Voltage Characteristics

(Equipment: 4980A)



Last updated : 2020/12/30