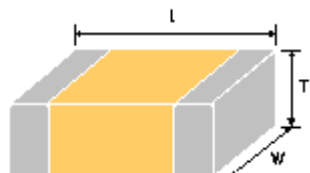


Chip Monolithic Ceramic Capacitor

## Electrical Characteristics Data

### 0805 X7R 1.0uF 16V(0805B105K160CT)

#### 1. Dimension



Size Inch (mm)	L (mm)	W (mm)	T (mm)
0805 (2012)	2.00±0.15	1.25±0.10	1.25±0.10

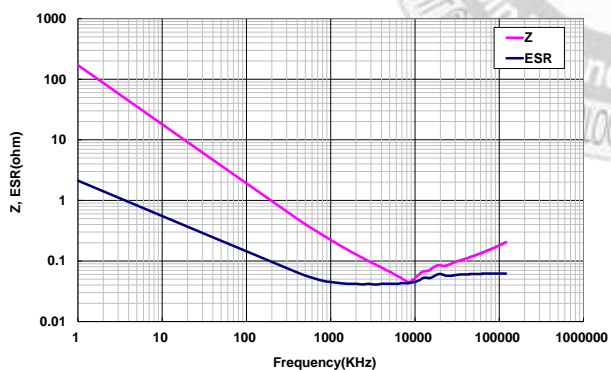
#### 2. Cap, DF, IR @25°C

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

Item	Spec
Cap [uF]	1.0 (±10%)
DF	≤ 5%
IR [G-ohm]	≥ 0.5

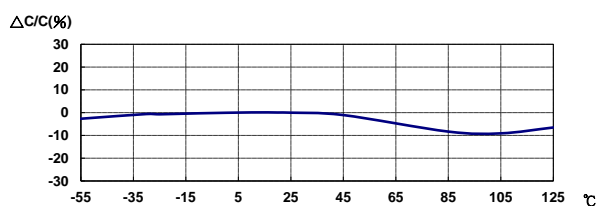
#### 3. Impedance/ESR-Frequency

(Equipment: 4990A)



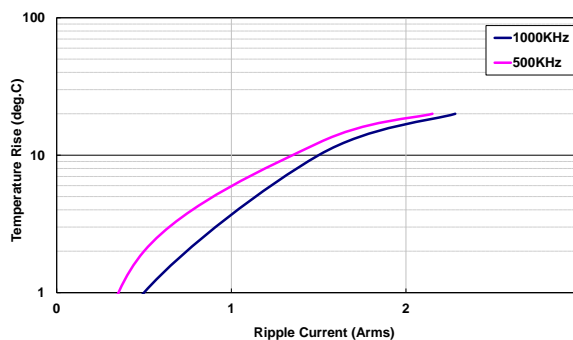
#### 4. Capacitance – Temperature Characteristics

(Equipment: 4284A)



#### 5. Temperature Rise – Ripple Current

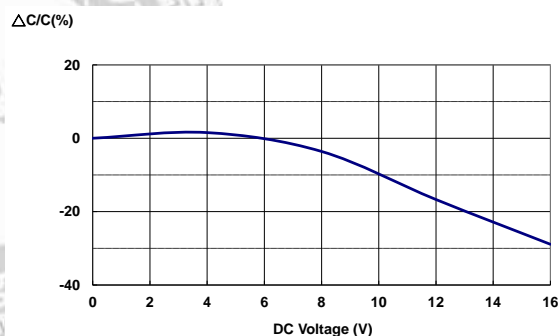
(Equipment: 11810)



#### 6. Capacitance – DC Voltage Characteristics

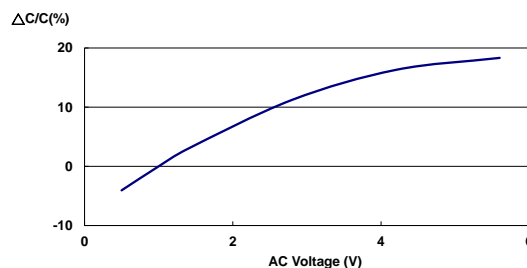
(Equipment: 4980A; DC charge 60±5sec)

8V :-8.36% ; 16V :-28.90%



#### 7. Capacitance – AC Voltage Characteristics

(Equipment: 4980A)



Last updated : 2019/12/30