

Chip Monolithic Ceramic Capacitor

## Electrical Characteristics Data

### 0402 X5R 1uF 25V(0402X105K250CT)

#### 1. Dimension



Size Inch (mm)	L (mm)	W (mm)	T (mm)
0402 (1005)	1.00±0.05	0.50±0.05	0.50±0.05

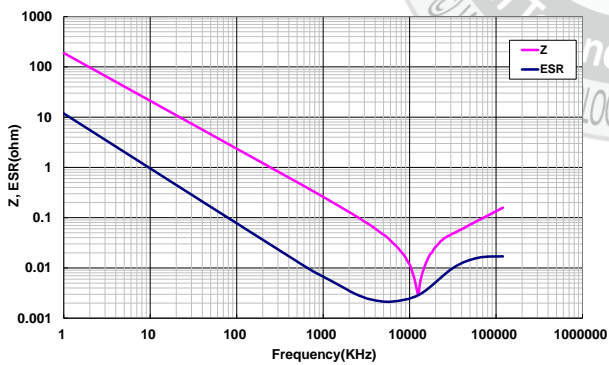
#### 2. Cap, DF, IR @25°C

(Cap, DF @1KHz, 1Vrms ; IR @25V, 120sec)

Item	Spec
Cap [uF]	1(±10%)
DF	≤ 12.5%
IR [G-ohm]	≥ 0.1

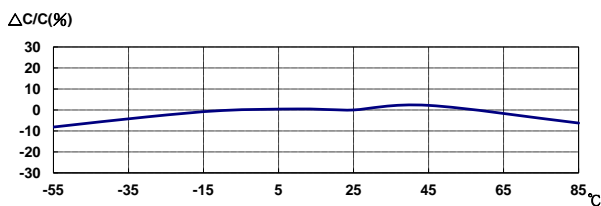
#### 3. Impedance/ESR-Frequency

(Equipment: 4990A)



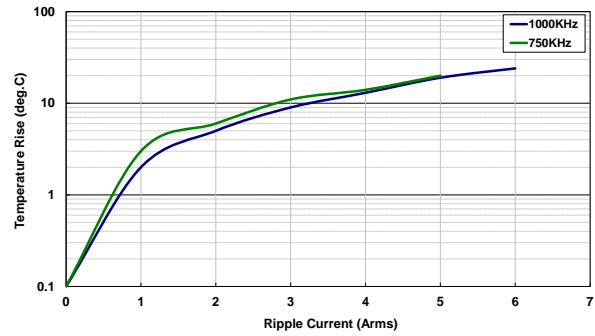
#### 4. Capacitance – Temperature Characteristics

(Equipment: 4980A)



#### 5. Temperature Rise – Ripple Current

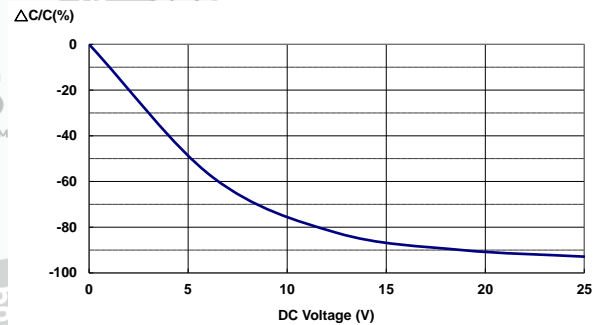
(Equipment: 11810)



#### 6. Capacitance – DC Voltage Characteristics

(Equipment: 4980A; DC charge 60±5sec)

12.5V : -82.44% ; 25V : -92.87%



#### 7. Capacitance – AC Voltage Characteristics

(Equipment: 4980A)

