

Chip Monolithic Ceramic Capacitor

## Electrical Characteristics Data

### 0402 X5R 1uF 50V(0402X105K500CT)

#### 1. Dimension



Size Inch (mm)	L (mm)	W (mm)	T (mm)
0402 (1005)	1.00±0.2	0.50±0.2	0.50±0.2

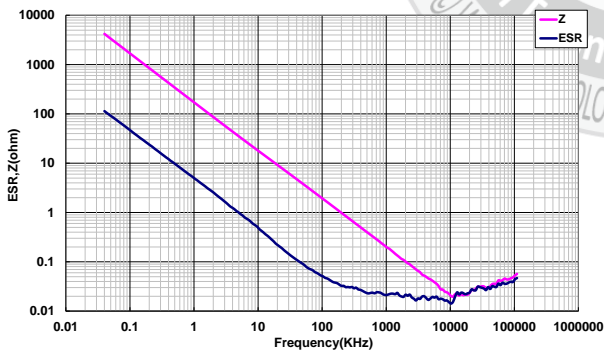
#### 2. Cap, DF, IR @25°C

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

Item	Spec
Cap [uF]	1 (±10%)
DF	≤10%
IR [G-ohm]	≥0.05

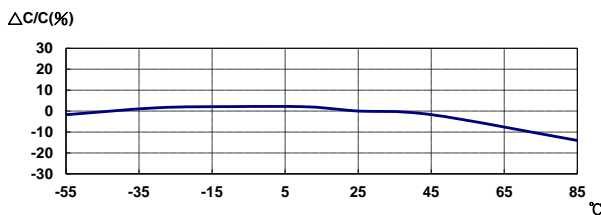
#### 3. Impedance/ESR-Frequency

(Equipment: 4294A)



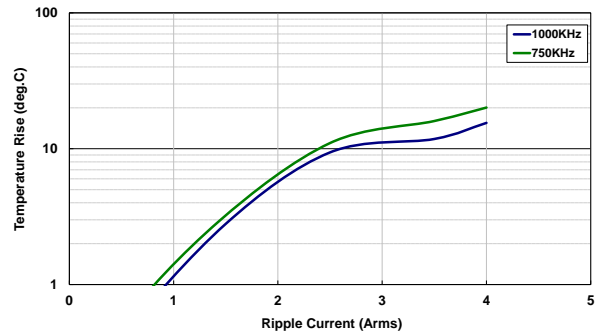
#### 4. Capacitance – Temperature Characteristics

(Equipment: 4284A)



#### 5. Temperature Rise – Ripple Current

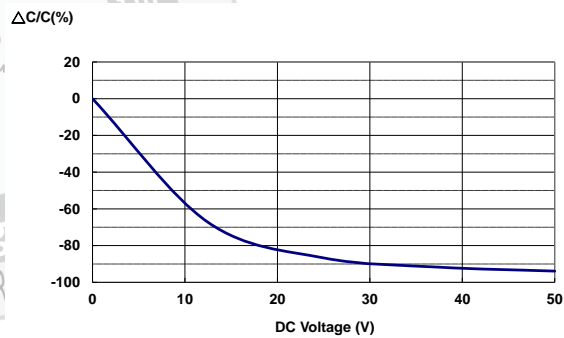
(Equipment: 11810)



#### 6. Capacitance – DC Voltage Characteristics

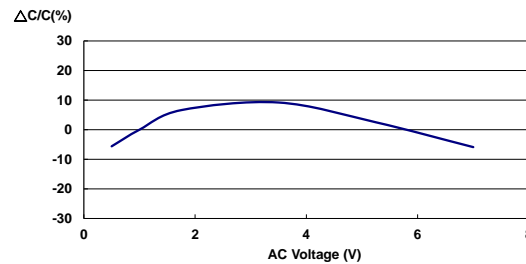
(Equipment: 4284A; DC charge 60±5sec)

25V : -86.71% ; 50V : -93.90%



#### 7. Capacitance – AC Voltage Characteristics

(Equipment: 4284A)



Last updated : 2020/01/17