

Chip Monolithic Ceramic Capacitor

Electrical Characteristics Data

0603 X7R 1uF 25V (0603B105K250CT)

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

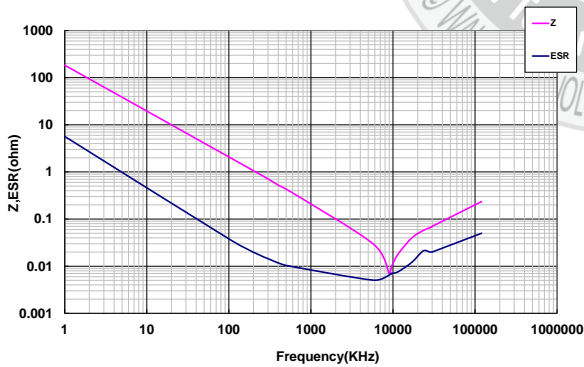
2. Cap, DF, IR @25°C

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

Item	Spec
Cap [uF]	1(±10%)
DF	≤ 10%
IR [G-ohm]	≥ 0.5

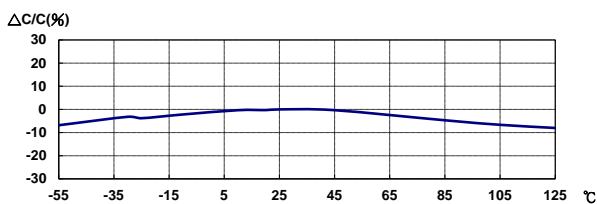
3. Impedance/ESR-Frequency

(Equipment: 4990A)



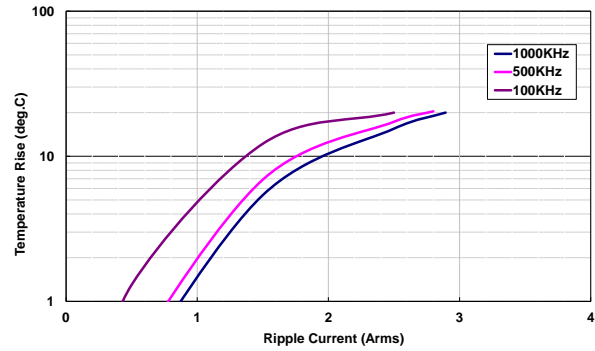
4. Capacitance – Temperature Characteristics

(Equipment: 4294A)



5. Temperature Rise – Ripple Current

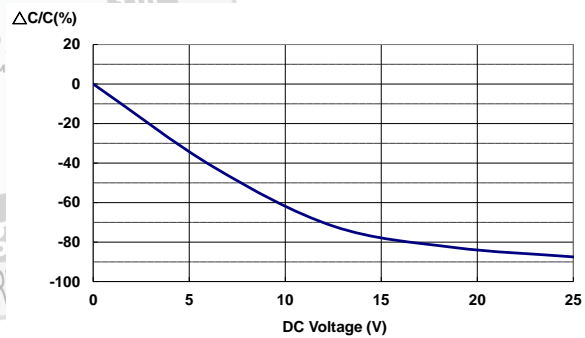
(Equipment: 11810)



6. Capacitance – DC Voltage Characteristics

(Equipment: E4980A; DC charge 60±5sec)

12.5V : -71.92% ; 25V : -87.49%



7. Capacitance – AC Voltage Characteristics

(Equipment:E4980A)

