

Chip Monolithic Ceramic Capacitor

Electrical Characteristics Data

0603 Y5V 0.1uF 50 V (0603F104Z500CT)

1. Dimension



Size Inch (mm)	L (mm)	W (mm)	T (mm)
0603 (1608)	1.60±0.10	0.80±0.10	0.80±0.07

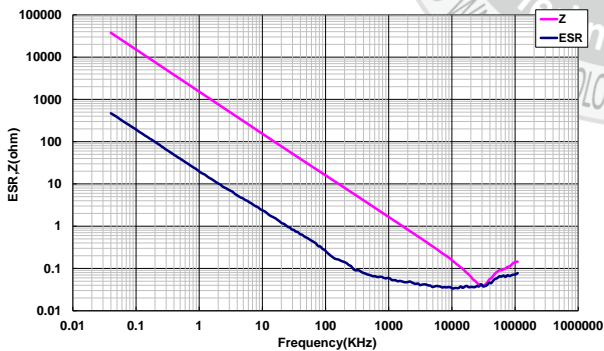
2. Cap, DF, IR @25°C

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

Item	Spec
Cap [uF]	0.1(-20/+80%)
DF	≤ 7%
IR [G-ohm]	≥ 5

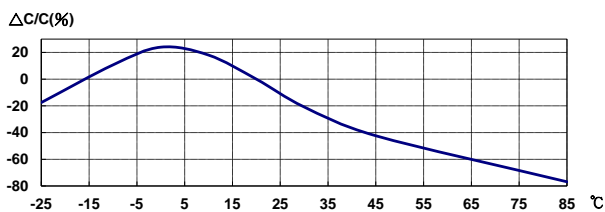
3. Impedance/ESR-Frequency

(Equipment: 4294A)



4. Capacitance – Temperature Characteristics

(Equipment: 4284A)



5. Temperature Rise – Ripple Current

(Equipment: 11810)

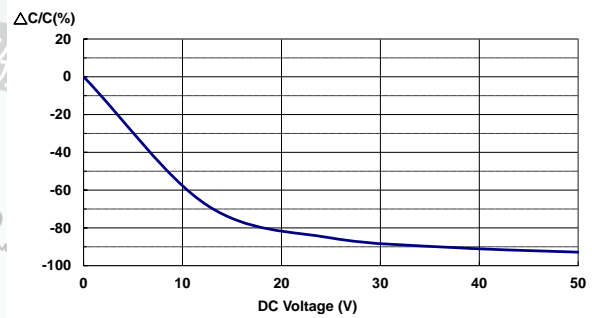
Over the measure limit.

6. Capacitance – DC Voltage Characteristics

(Equipment: E4980+B1505+N1259)

(DC charge 60±5sec)

25V : -85.29% ; 50V : -92.82%



7. Capacitance – AC Voltage Characteristics

(Equipment: 4284A)

