

Chip Monolithic Ceramic Capacitor

## Electrical Characteristics Data

### 0603 X5R 0.22uF 50V(0603X224K500CT)

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

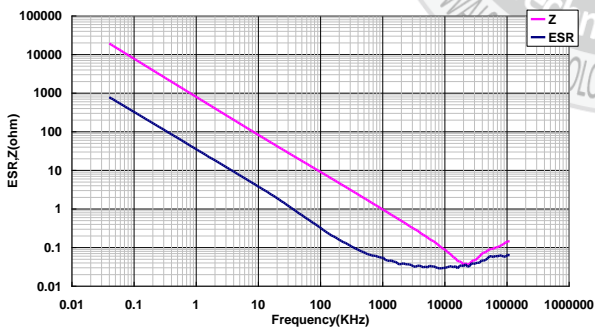
2. Cap, DF, IR @25°C

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

Item	Spec
Cap [uF]	0.22(±10%)
DF	≤ 10%
IR [G-ohm]	≥ 2.27

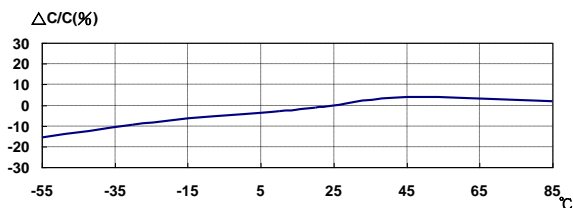
3. Impedance/ESR-Frequency

(Equipment: 4294A)



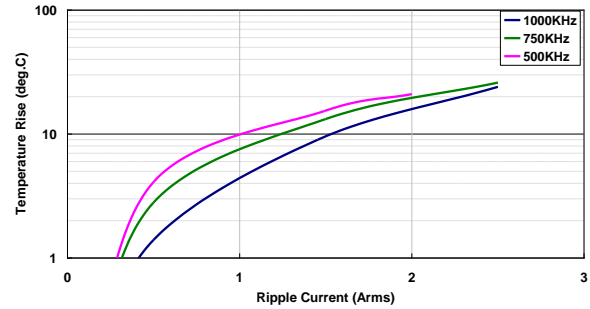
4. Capacitance – Temperature Characteristics

(Equipment: 4284A)



5. Temperature Rise – Ripple Current

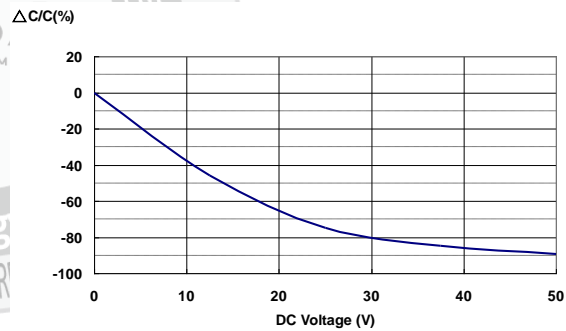
(Equipment: 11810)



6. Capacitance – DC Voltage Characteristics

(Equipment: 4284A; DC charge 60±5sec)

25V : -74.81% ; 50V : -89.30%



7. Capacitance – AC Voltage Characteristics

(Equipment: 4284A)

