

Chip Monolithic Ceramic Capacitor

Electrical Characteristics Data

0603 X5R 2.2uF 50V (0603X225K500CT)

1. Dimension



Size Inch (mm)	L (mm)	W (mm)	T (mm)
0603 (1608)	1.60±0.20	0.80±0.20	0.80±0.20

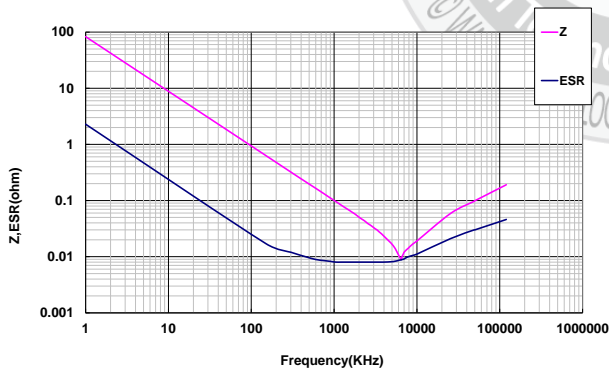
2. Cap, DF, IR @25°C

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

Item	Spec
Cap [uF]	2.2(±10%)
DF	≤10%
IR [G-ohm]	≥0.023

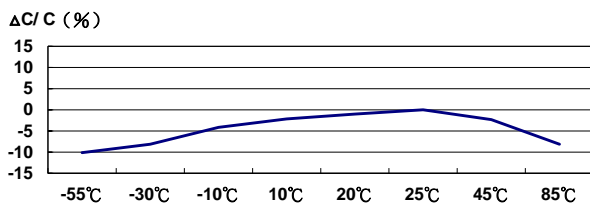
3. Impedance/ESR-Frequency

(Equipment: 4990A)



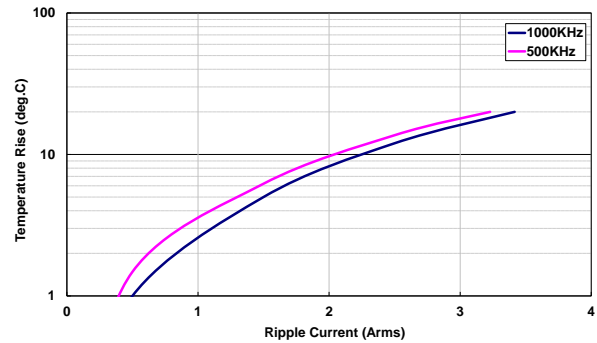
4. Capacitance – Temperature Characteristics

(Equipment: 4284A)



5. Temperature Rise – Ripple Current

(Equipment: 11810)

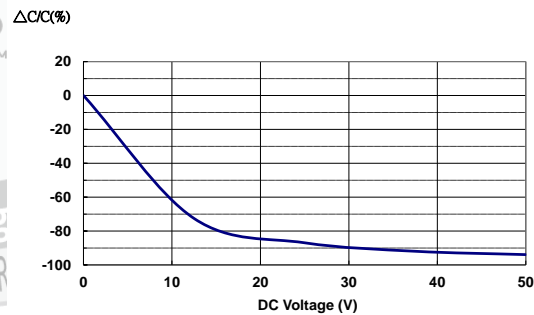


6. Capacitance – DC Voltage Characteristics

(Equipment: 4980A+B1505A+N1259A)

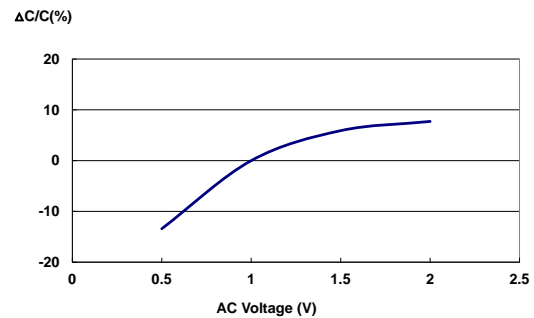
(DC charge 60±5sec)

25V : -86.91% ; 50V : -93.88%



7. Capacitance – AC Voltage Characteristics

(Equipment: 4284A)



Last updated : 2020/08/31