

Chip Monolithic Ceramic Capacitor

Electrical Characteristics Data

0603 X7R 0.1uF 100V(0603B104K101CT)

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

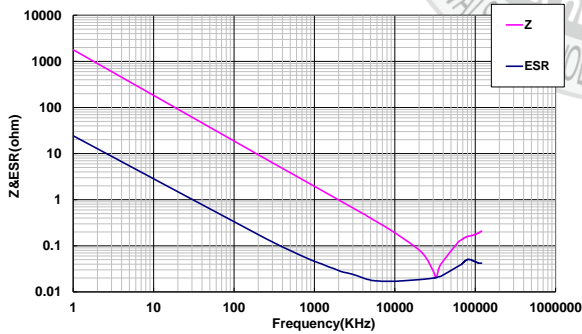
2. Cap, DF, IR @25°C

(Cap, DF @1KHz, 1Vrms ; IR @100V, 120sec)

Item	Spec
Cap [uF]	0.1 (±10%)
DF	≤ 5%
IR [G-ohm]	≥ 1

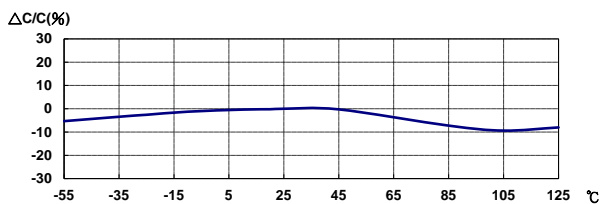
3. Impedance/ESR-Frequency

(Equipment: 4990A)



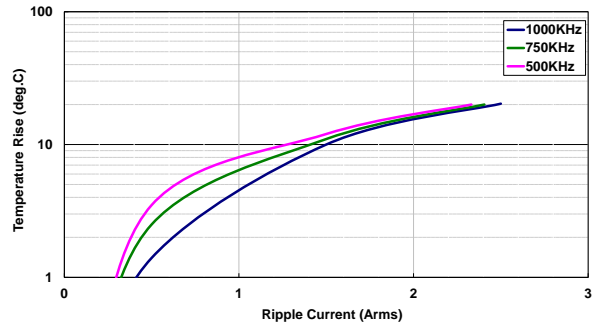
4. Capacitance – Temperature Characteristics

(Equipment: 4284A)



5. Temperature Rise – Ripple Current

(Equipment: 11810)

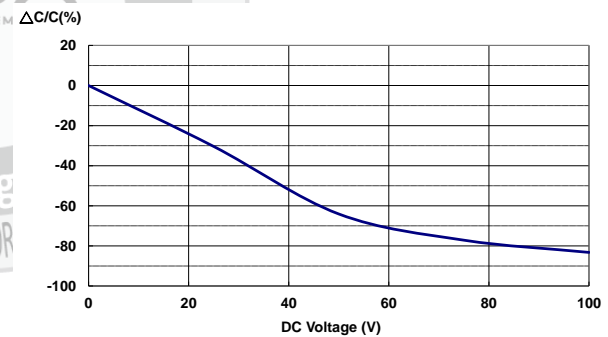


6. Capacitance – DC Voltage Characteristics

(Equipment: E4980A+B1505A+N1259A)

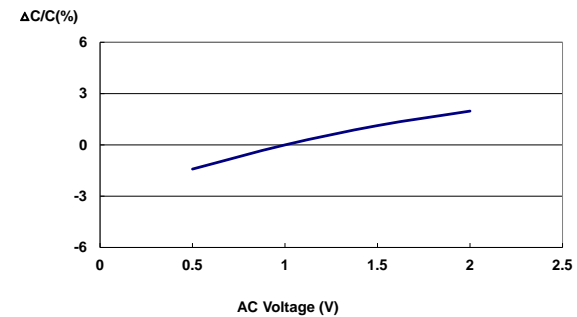
(DC charge 60±5sec)

50V : -64.07% ; 100V :-83.24%



7. Capacitance – AC Voltage Characteristics

(Equipment: 4284A)



Last updated : 2020/08/26