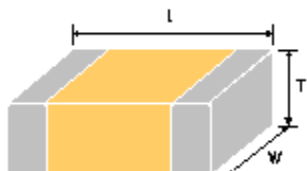


Chip Monolithic Ceramic Capacitor

Electrical Characteristics Data

0603 X7R 0.1 μ F 50V(0603B104K500CT)

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

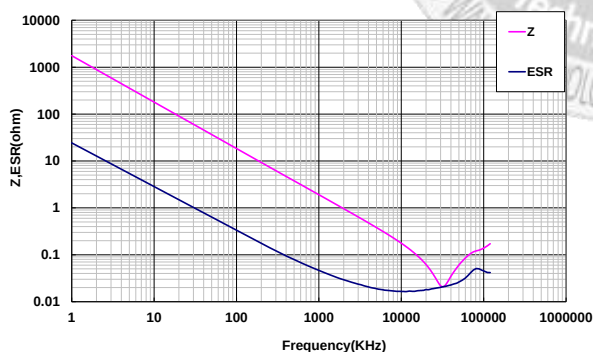
2. Cap, DF, IR @25°C

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

Item	Spec
Cap [μ F]	0.1 ($\pm 10\%$)
DF	$\leq 3\%$
IR [G-ohm]	≥ 5

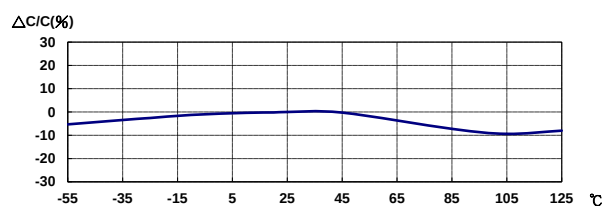
3. Impedance/ESR-Frequency

(Equipment: 4990A)



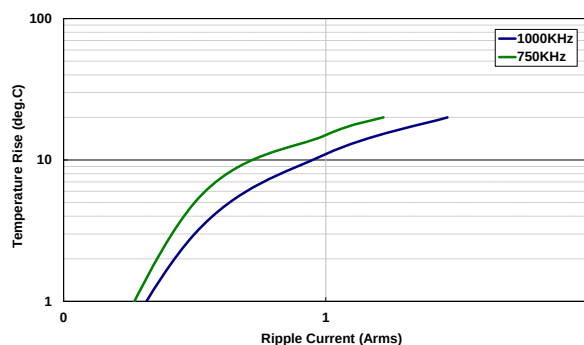
4. Capacitance – Temperature Characteristics

(Equipment: 4284A)



5. Temperature Rise – Ripple Current

(Equipment: 11810)

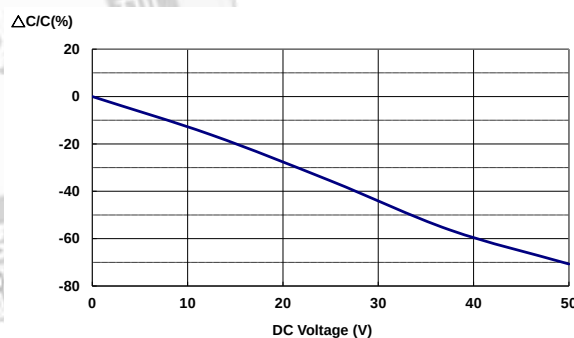


6. Capacitance – DC Voltage Characteristics

(Equipment: E4980A+B1505A+N1259A)

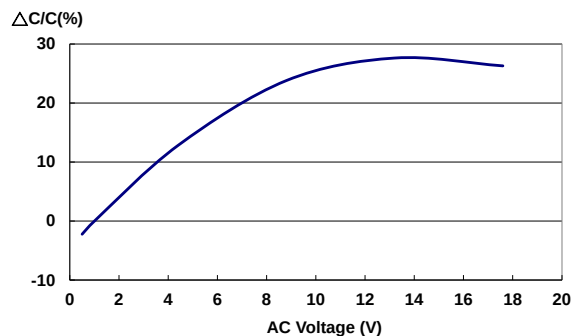
(DC charge 60 $\pm$ 5sec)

25V : -35.60% ; 50V :-70.70%



7. Capacitance – AC Voltage Characteristics

(Equipment: E4980A)



Last updated : 2020/07/10