

Chip Monolithic Ceramic Capacitor

Electrical Characteristics Data

0402 X7R 0.1uF 50V (0402B104J500CT)

1. Dimension



Size Inch (mm)	L (mm)	W (mm)	T (mm)
0402 (1005)	1.00±0.20	0.50±0.20	0.50±0.20

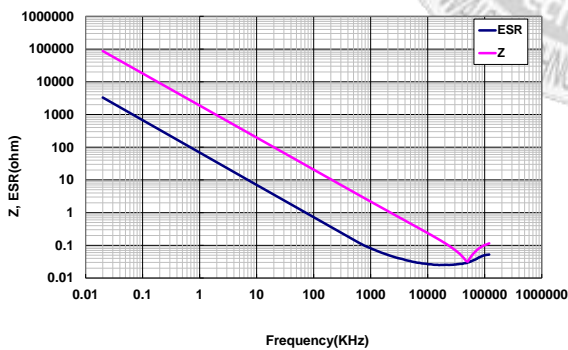
2. Cap, DF, IR @ 25°C

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

Item	Spec
Cap [uF]	0.1(±5%)
DF	≤ 10%
IR [G-ohm]	≥ 0.5

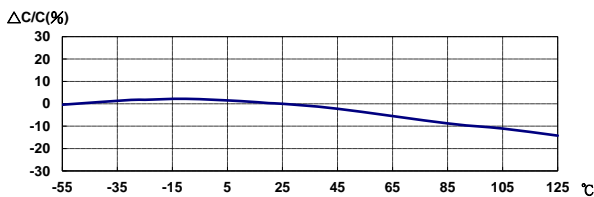
3. Impedance/ESR-Frequency

(Equipment: 4990A)



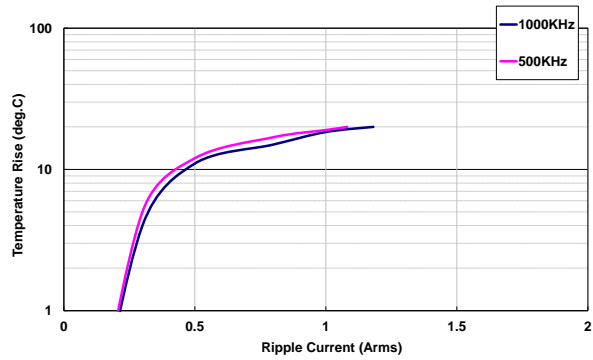
4. Capacitance – Temperature Characteristics

(Equipment: 4284A)



5. Temperature Rise – Ripple Current

(Equipment: 11810)

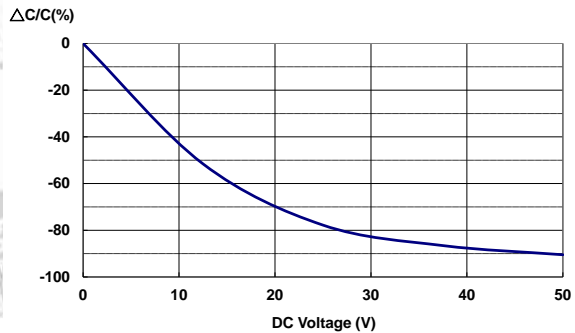


6. Capacitance – DC Voltage Characteristics

(Equipment: E4980A+B1505A+N1259A)

(DC charge 60±5sec)

25V:-77.79% ; 50V:-90.49%



7. Capacitance – AC Voltage Characteristics

(Equipment: 4980A)

