

Chip Monolithic Ceramic Capacitor

Electrical Characteristics Data

0402 X7R 100nF 50V (0402B104K500CT)

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

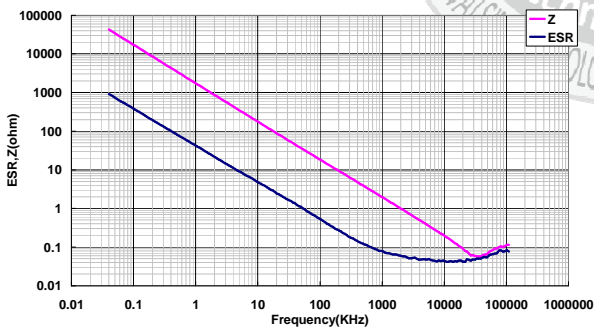
2. Cap, DF, IR @25°C

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

Item	Spec
Cap [nF]	100(±10%)
DF	≤ 10%
IR [G-ohm]	≥0.5

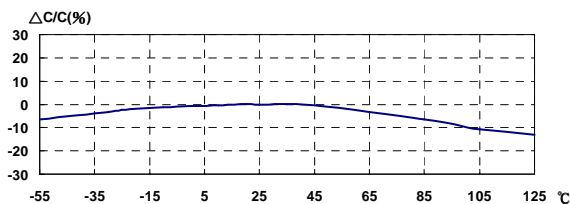
3. Impedance/ESR-Frequency

(Equipment: 4294A)



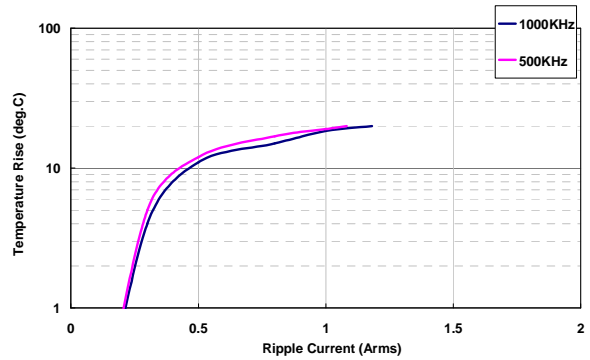
4. Capacitance – Temperature Characteristics

(Equipment: 4284A)



5. Temperature Rise – Ripple Current

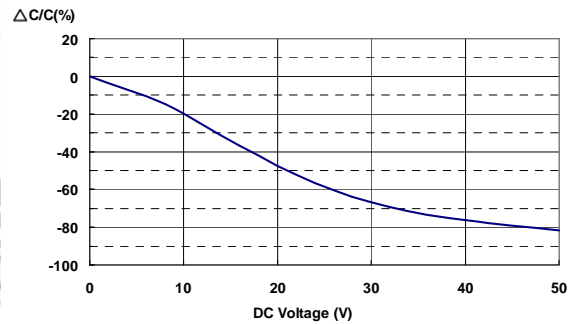
(Equipment: 11810)



6. Capacitance – DC Voltage Characteristics

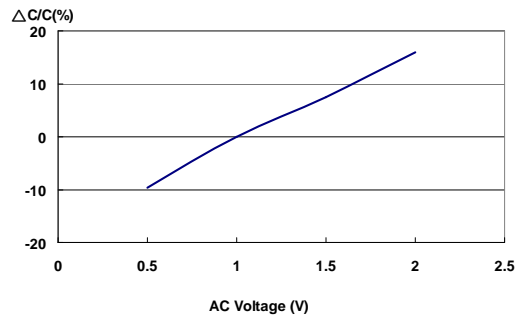
(Equipment: 4284A; DC charge 60±5sec)

25V:-56.70% ; 50V:-81.75%



7. Capacitance – AC Voltage Characteristics

(Equipment: 4284A)



Last updated : 2018/06/12