

Chip Monolithic Ceramic Capacitor

Electrical Characteristics Data

0805 X7R 1nF 100V(0805B102K101CT)

1. Dimension



Size Inch (mm)	L (mm)	W (mm)	T (mm)
0805 (2012)	2.00±0.15	1.25±0.10	0.80±0.10

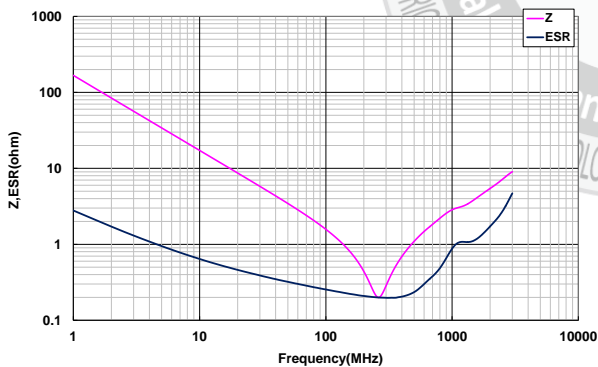
2. Cap, DF, IR @25°C

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

Item	Spec
Cap [nF]	1(±10%)
DF	≤ 2.5%
IR [G-ohm]	≥ 10

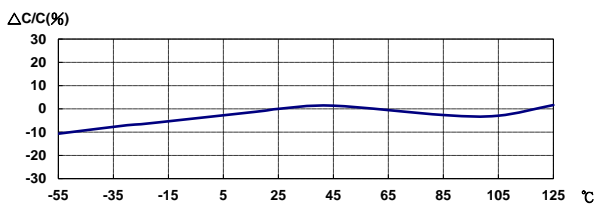
3. Impedance/ESR-Frequency

(Equipment: 4991B)



4. Capacitance – Temperature Characteristics

(Equipment: 4284A)

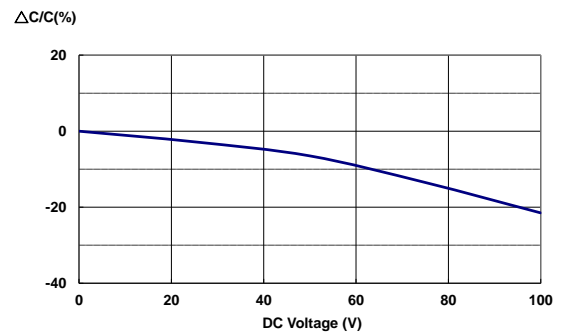


5. Capacitance – DC Voltage Characteristics

(Equipment: 4980A+B1505A+N1259A)

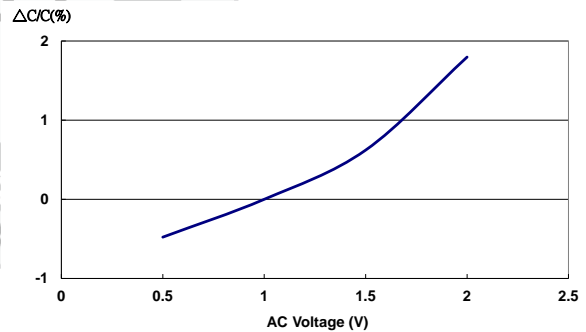
(DC charge 60±5sec)

50V :-6.5% ; 100V : -21.50%



6. Capacitance – AC Voltage Characteristics

(Equipment: 4284A)



Last updated : 2022/10/31