

Chip Monolithic Ceramic Capacitor

Electrical Characteristics Data

1812 X7R 0.47uF 100V(1812B474M101CT)

1. Dimension



Size Inch (mm)	L (mm)	W (mm)	T (mm)
1812 (4532)	4.50±0.40	3.20±0.30	2.00±0.20

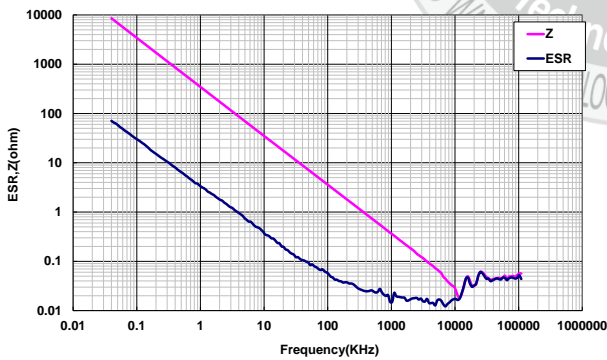
2. Cap, DF, IR @25°C

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

Item	Spec
Cap [uF]	0.47 (±20%)
DF	≤ 2.5%
IR [G-ohm]	≥ 0.213

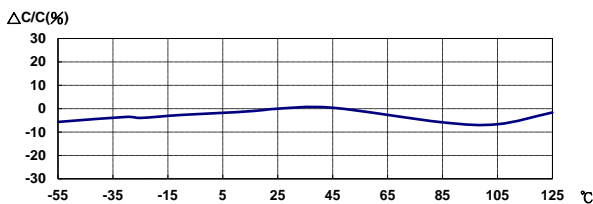
3. Impedance/ESR-Frequency

(Equipment: 4294A)



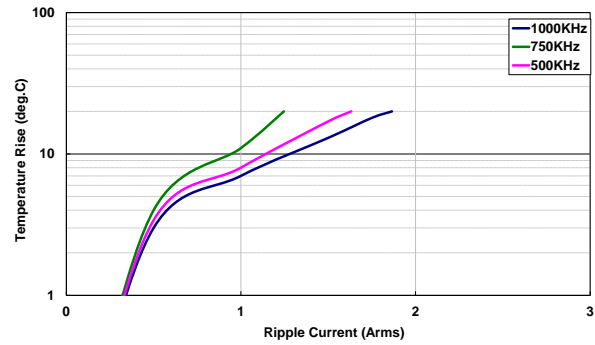
4. Capacitance – Temperature Characteristics

(Equipment: 4284A)



5. Temperature Rise – Ripple Current

(Equipment: 11810)

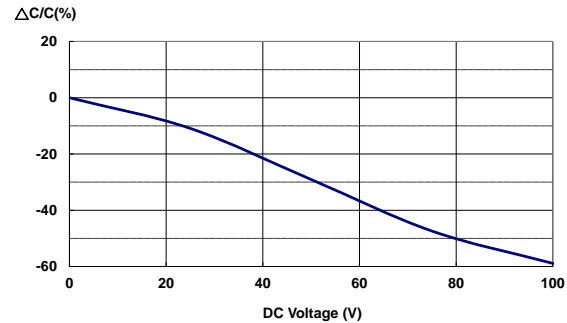


6. Capacitance – DC Voltage Characteristics

(Equipment: E4980A+B1505A+N1259A

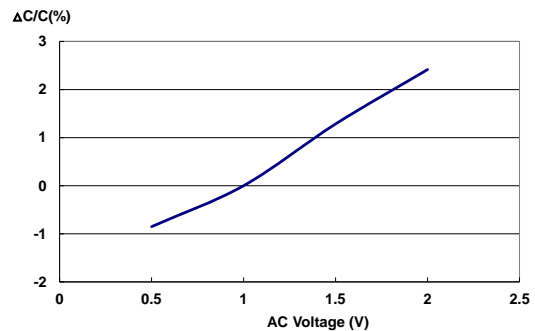
; DC charge 60±5sec)

50V : -29.07% ; 100V : -58.90%



7. Capacitance – AC Voltage Characteristics

(Equipment: 4284A)



Last updated : 2020/02/18