

Chip Monolithic Ceramic Capacitor

Electrical Characteristics Data

1812 X7R 0.47uF 250V (1812B474K251CT)

1. Dimension



Size Inch (mm)	L (mm)	W (mm)	T (mm)
1812 (4532)	4.5+0.5/-0.3	3.20±0.30	2.00±0.20

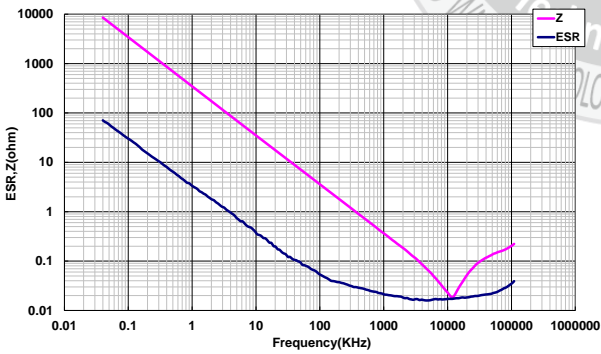
2. Cap, DF, IR @25°C

(Cap, DF @1KHz, 1Vrms ; IR @250V, 120sec)

Item	Spec
Cap [uF]	0.47(±10%)
DF	≤ 2.5%
IR [G-ohm]	≥ 0.213

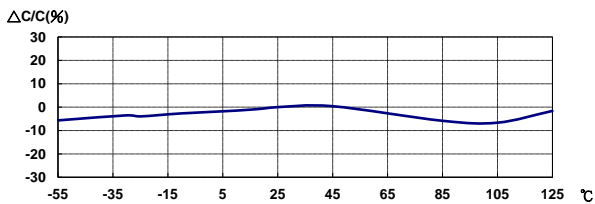
3. Impedance/ESR-Frequency

(Equipment: 4294A)



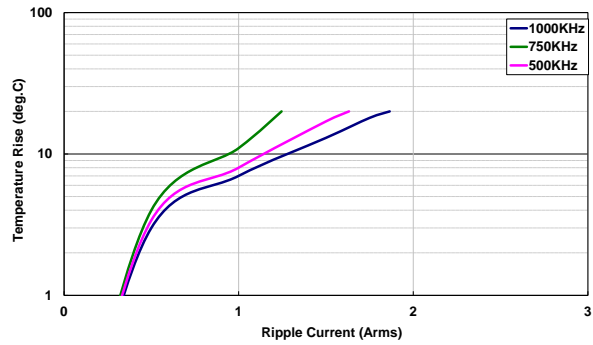
4. Capacitance – Temperature Characteristics

(Equipment: 4284A)



5. Temperature Rise – Ripple Current

(Equipment: 11810)

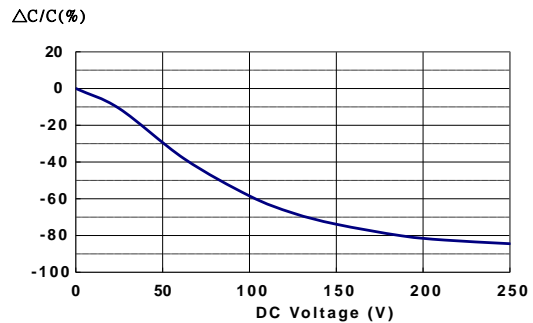


6. Capacitance – DC Voltage Characteristics

(Equipment: E4980A+B1505A+N1259A

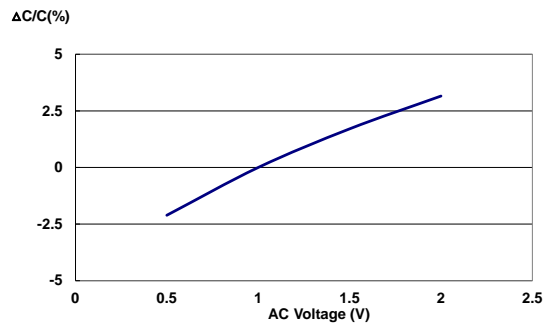
; DC charge 60±5sec)

125V : -67.78% ; 250V : -84.47%



7. Capacitance – AC Voltage Characteristics

(Equipment: 4284A)



Last updated : 2020/02/17