

Chip Monolithic Ceramic Capacitor

Electrical Characteristics Data

0805 X7R 0.1uF 16V(0805B104K160CT)

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

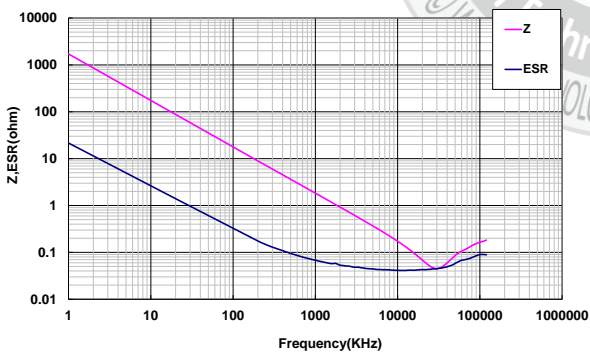
2. Cap, DF, IR @25°C

(Cap, DF @1KHz, 1Vrms ; IR @16V, 120sec)

Item	Spec
Cap [uF]	0.1 (±10%)
DF	≤ 3.5%
IR [G-ohm]	≥ 5

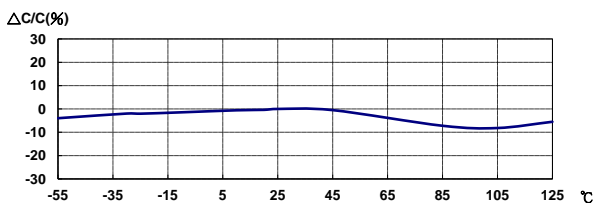
3. Impedance/ESR-Frequency

(Equipment: 4990A)



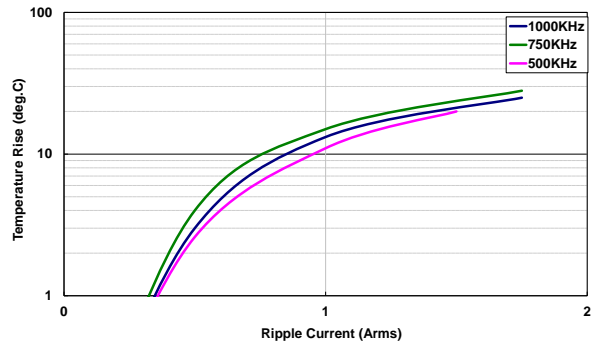
4. Capacitance – Temperature Characteristics

(Equipment: 4284A)



5. Temperature Rise – Ripple Current

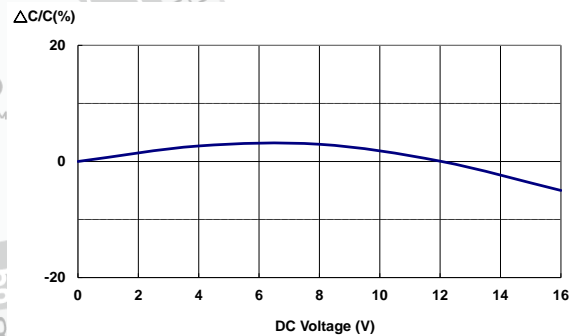
(Equipment: 11810)



6. Capacitance – DC Voltage Characteristics

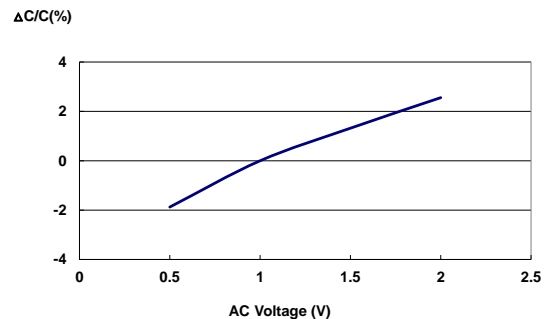
(Equipment: 4980A; DC charge 60±5sec)

8V : 2.96% ; 16V : -4.99%



7. Capacitance – AC Voltage Characteristics

(Equipment: 4284A)



Last updated : 2021/11/05