

Chip Monolithic Ceramic Capacitor

Electrical Characteristics Data

0603 X5R 4.7uF 10V (0603X475K100CT)

1. Dimension



Size Inch (mm)	L (mm)	W (mm)	T (mm)
0603 (1608)	1.60±0.15/-0.10	0.80±0.15/-0.10	0.80±0.15/-0.10

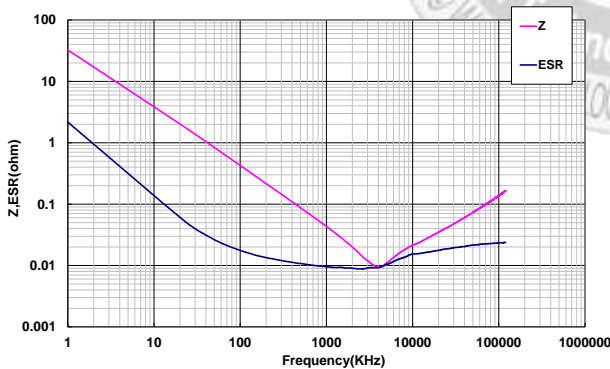
2. Cap, DF, IR @ 25°C

(Cap, DF @ 1KHz, 1Vrms ; IR @ 10V, 120sec)

Item	Spec
Cap [uF]	4.7 (±10%)
DF	≤ 10%
IR [G-ohm]	≥ 0.021

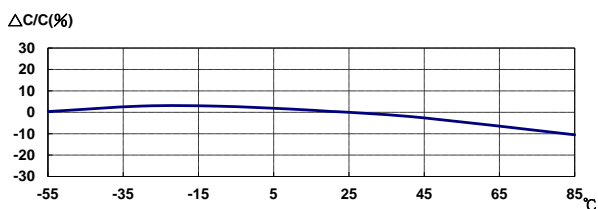
3. Impedance/ESR-Frequency

(Equipment: 4990A)



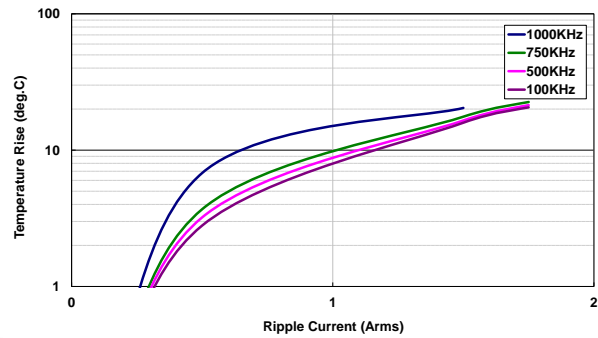
4. Capacitance – Temperature Characteristics

(Equipment: 4284A)



5. Temperature Rise – Ripple Current

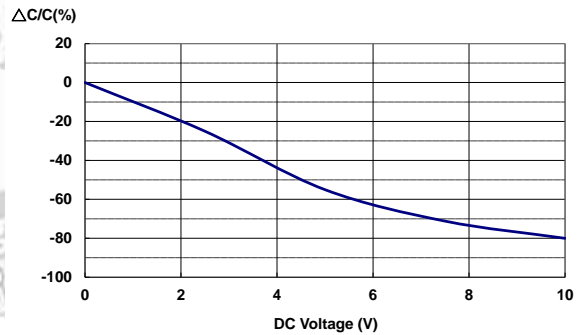
(Equipment: 11810)



6. Capacitance – DC Voltage Characteristics

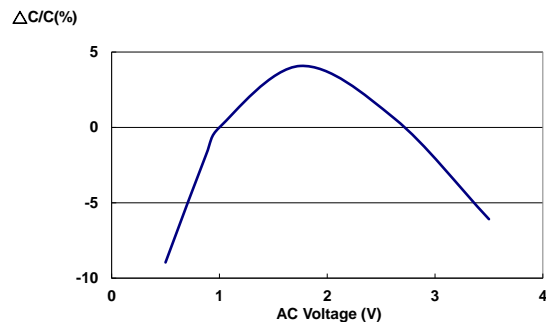
(Equipment: 4980A; DC charge 60±5sec)

5V : -55.03% ; 10V : -80.02%



7. Capacitance – AC Voltage Characteristics

(Equipment: 4980A)



Last updated 2022/08/10