

Features

SSM Series

These capacitors are miniaturized to diameter of 4 to 6.3 mm and a height of 7 mm.

Guaranteed for 2,000 hours at +85° ...

SMM Series

Further miniaturized more than SSM series.

Recommended Applications

AV(TV, Video, Audio), Home appliance, office etc.

Specifications

Operating temperature range : -40° ~ +85° ...

Rated working voltage : 6.3~63Vdc

Rated capacitance : 0.1~220 μ f

Capacitance tolerance : (at 120Hz, +20°), ± 20%

Tan δ : (at 120Hz, ° 20°) ..

W.V.	6.3	10	16	25	35	50	63
SSM	0.24	0.20	0.17	0.15	0.12	0.10	0.08
SMM	0.27	0.23	0.19	0.17	0.15	0.13	0.11

DC leakage current : max.

$$I = 0.01 CV \dot{A} \text{ or } 3 \dot{A}$$

whichever is greater.

where I = DC leakage current in \dot{A}

C = rated capacitance in μ f

V=rated working voltage in V

DC leakage current shall be measured after 2 minutes application of the DC rated working voltage through the 1000 Ω resistor at 20° ...

Load life :

After 2,000 hours application of DC rated working voltage at 85° ... the measurements shall meet following limits.

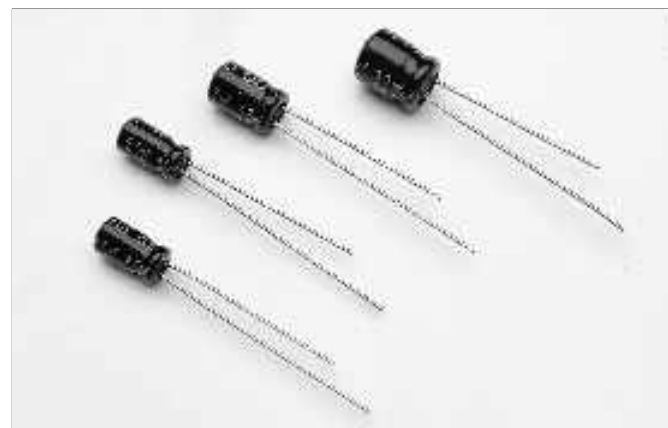
Measurements shall be performed after 2 hours exposure at room temperature.

Capacitance change	° 20% of the initial measured value.	
Tan δ • %	SSM	° 150% of the initial specified value.
	SMM	° 200% of the initial specified value.
DC leakage current	° the initial specified value.	

Shelf life :

After storage for 1,000 hours at 85° without voltage application, the measurements shall meet the following limits.

Capacitance change	° 20% of the initial measured value.	
Tan δ • %	SSM	° 150% of the initial specified value.
	SMM	° 200% of the initial specified value.
DC leakage current	° the initial specified value.	



Measurements shall be performed after exposure for 24 hours at room temperature after application of DC rated voltage to the capacitors for 30 minutes.

Low temperature impedance stability.

Impedance ratio against value at +20° , 120Hz

W.V.(V DC)	-25° /±20° ...	-40° /±20° ...	
		SSM	SMM
6.3	4	8	10
10	3	6	8
16	2	4	6
25-63	2	4	4

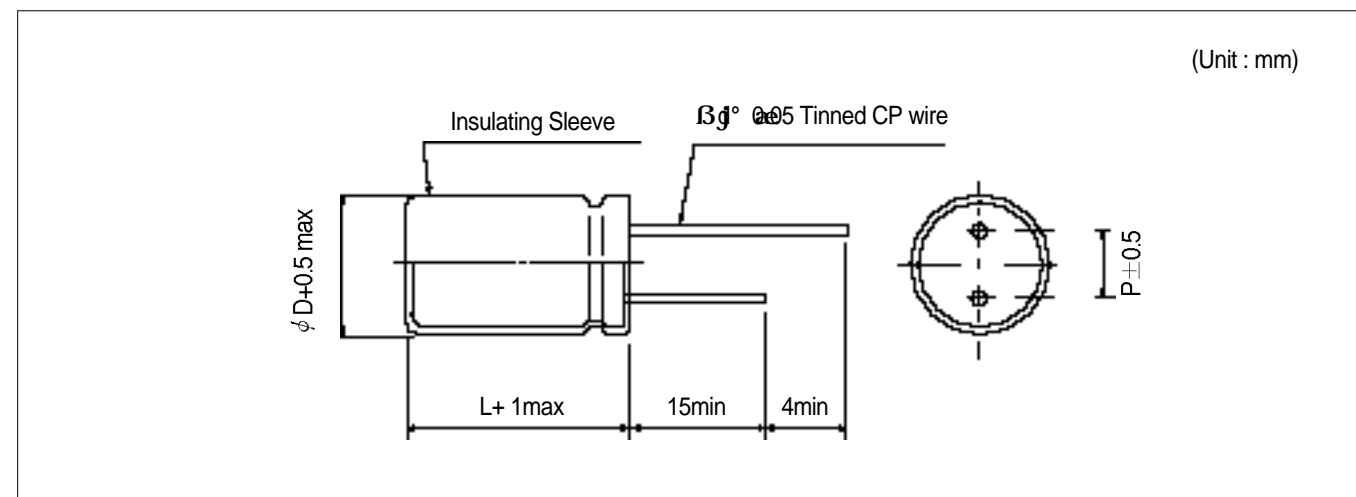
Solvent & conditions

Solvents	Condition
Freon TMS	Immersion vapor or ultra sonic cleaning, 5 minutes at 40° on the condition of flux density 10% max.
Freon TE	
Freon TES	
Freon WD602	
Freon TP-35	

Maximum permissible ripple current :

Refer to standard products table

Dimensions



Body Dia D	4	5	6.3
Lead Dia d	0.45	0.5	
Lead Space P	1.5	2.0	2.5

Case Size Table

(: ϕ 7mm Height)

W.V(V dc)	6.3		10		16		25		35		50		63	
	SSM	SMM	SSM	SMM	SSM	SMM	SSM	SMM	SSM	SMM	SSM	SMM	SSM	SMM
0.1											4	4	4	4
0.15											4	4	4	4
0.22											4	4	4	4
0.33											4	4	4	4
0.47											4	4	4	4
0.68											4	4	4	4
1											4	4	4	4
1.5											4	4	4	4
2.2											4	4	4	4
3.3										4	4	4	4	4
4.7							4	4	4	4	4	4	4	4
6.8					4	4	4	4	4	4	5	4	6.3	5
10			4	4	4	4	4	4	5	4	6.3	5	6.3	6.3
15			4	4	4	4	5	4	6.3	5	6.3	6.3		6.3
22	4	4	4	4	5	4	6.3	5	6.3	5	6.3	6.3		6.3
33	5	4	5	4	5	5	6.3	5	6.3	5		6.3		
47	5	4	6.3	5	6.3	5		6.3		6.3				
68	6.3	5	6.3	5	6.3	6.3								
100	6.3	5	6.3	6.3	6.3	6.3								
220		6.3												
330														