



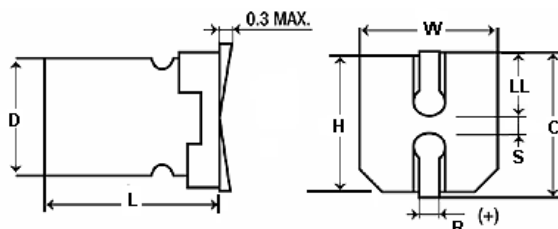
### FEATURES

Small Size - Low Cost

### APPLICATIONS

Filtering - Bypass - Coupling - Blocking

<b>Operating Temperature Range</b>		<b>-40°C to +85°C</b>										
<b>Capacitance Tolerance</b>		<b>+20% at 120 Hz, 20°C</b>										
<b>Surge voltage</b>	<b>WVDC</b>	<b>4</b>	<b>6.3</b>	<b>10</b>	<b>16</b>	<b>25</b>	<b>35</b>	<b>50</b>	<b>63</b>	<b>100</b>		
	<b>SVDC</b>	5.2	7.9	13	20	32	44	63	79	125		
<b>Dissipation Factor</b>	<b>WVDC</b>	<b>4</b>	<b>6.3</b>	<b>10</b>	<b>16</b>	<b>25</b>	<b>35</b>	<b>50</b>	<b>63</b>	<b>100</b>		
	<b>tan δ</b>	.35	.28	.24	.2	.16	.14	.12	.12	.1		
<b>Leakage current</b>		<b>2 Minutes</b>										
		.01CV or 3uA, Whichever is greater										
<b>Low temperature stability Impedance ratio (120 Hz)</b>	<b>Rated WVDC</b>		<b>4</b>	<b>6.3</b>	<b>10</b>	<b>16</b>	<b>25</b>	<b>35</b>	<b>50</b>	<b>63</b>	<b>100</b>	
	<b>-25°C to +20°C</b>	<b>D&lt;8</b>	7	4	3	2	2	2	2	2	2	
		<b>D&gt;8</b>	7	5	4	3	2	2	2	2	2	
	<b>-40°C to +20°C</b>	<b>D&lt;8</b>	15	8	6	4	4	3	3	3	3	
<b>D&gt;8</b>		15	10	8	6	4	3	3	3	3		
<b>Load Life</b>		<b>2000 hours at 85°C with rated WVDC and ripple current applied</b>										
		<b>Capacitance change</b>	≤20% of initial measured value									
		<b>Dissipation factor</b>	≤200% of maximum specified value									
		<b>Leakage current</b>	≤100% of maximum specified value									
<b>Shelf Life</b>		<b>1000 hours at 85°C with no voltage applied</b>										
		<b>Capacitance change</b>	≤20% of initial measured value									
		<b>Dissipation factor</b>	≤200% of maximum specified value									
		<b>Leakage current</b>	≤100% of maximum specified value									
<b>Resistance to soldering heat</b>		<b>Capacitors placed on a 250C hot plate for 30 seconds with their electrode terminations facing downward will fulfill the following conditions after being cooled to room temperature</b>										
		<b>Capacitance change</b>	≤10% of initial measured value									
		<b>Dissipation factor</b>	≤200% of maximum specified value									
		<b>Leakage current</b>	≤100% of maximum specified value									
<b>Ripple Current Multipliers</b>		<b>Frequency (Hz)</b>					<b>Temperature (°C)</b>					
		<b>50</b>	<b>120</b>	<b>400</b>	<b>1k</b>	<b>10k</b>	<b>100k</b>	<b>85</b>	<b>70</b>	<b>65</b>		
		0.7	1.0	1.17	1.36	1.5	1.5	1.0	1.35	1.35		



D	L	W±0.2	H±0.2	C±0.2	R	LL±0.2	S±0.2
4	5.4 +0.1/-0.2	4.3	4.3	5.0	0.5~0.8	1.8	1.0
5	5.4 +0.1/-0.2	5.3	5.3	6.0	0.5~0.8	2.1	1.4
6.3	5.4 +0.1/-0.2	6.6	6.6	7.3	0.5~0.8	2.4	2.2
6.3	5.8 +0.1/-0.2	6.6	6.6	7.3	0.5~0.8	2.4	2.2
6.3	7.7 +0.1/-0.2	6.6	6.6	7.3	0.5~0.8	2.4	2.2
8	6.2 +0.1/-0.2	8.3	8.3	9.0	0.7~1.0	2.4	3.2
8	10.2+0.1/-0.2	8.3	8.3	9.0	0.7~1.0	2.8	3.2
10	10.2+0.1/-0.2	10	10	11.0	0.7~1.0	3.2	4.6

# SML

+85°C Standard 2000 hrs

Capacitance (µF)	WVDC	IC PART NUMBER	Maximum ESR (Ω) 120 Hz, +20°C	Maximum RMS Ripple Current (mA) 120 Hz, +85°C	Dims DxL (mm)
0.1	50	104SML050MD4	1989.44	3.2	4x5.4
0.22	50	224SML050MD4	904.29	4.7	4x5.4
0.33	50	334SML050MD4	602.86	5.7	4x5.4
0.47	50	474SML050MD4	423.28	6.8	4x5.4
1	50	105SML050MD4	198.944	10	4x5.4
2.2	50	225SML050MD4	90.429	15	4x5.4
3.3	50	335SML050M	60.29	18	4x5.4
3.3	100	335SML100M	50.24	28	6.3x5.8
4.7	35	475SML035M	49.38	20	4x5.4
4.7	50	475SML050M	42.33	24	4x5.4
4.7	50	475SML050MD5	42.33	25	5x5.4
4.7	100	475SML100MD8	3.53	60	8x10.5
10	16	106SML016M	33.16	26	4x5.4
10	35	106SML035M	23.21	34	5x5.4
10	35	106SML035MD4	23.21	24	4x5.4
10	50	106SML050MD5	19.894	41	5x5.4
10	50	106SML050M	19.894	43	6.3x5.4
10	63	106SML063MEL	19.89	50	6.3x7.7
10	63	106SML063M	19.89	34	6.3x5.4
10	100	106SML100M	16.57	50	6.3x7.7
10	100	106SML100MD8	16.579	85	8x10.5
22	6.3	226SML6R3M	21.1	31	4x5.4
22	16	226SML016M	12.057	44	5x5.4
22	16	226SML016MD4	12.057	30	4x5.4
22	25	226SML025MD5	12.06	38	5x5.4
22	35	226SML035M	10.55	59	6.3x5.4
22	50	226SML050M	9.043	71	6.3x5.4
22	63	226SML063MD8	9.043	120	8x10.5
22	63	226SML063M	9.04	70	6.3x7.7
22	100	226SML100M	7.54	120	8x10.5
33	4	336SML004M	17.58	31	4x5.4
33	10	336SML010MD4	12.057	34	4x5.4
33	10	336SML010M	12.057	48	5x5.4
33	25	336SML025M	8.038	67	6.3x5.4
33	25	336SML025MD5	8.038	46	5x5.4
33	35	336SML035M	7.033	65	6.3x5.4
33	50	336SML050M	6.029	85	6.3x7.7
33	50	336SML050MD8	6.029	95	8x6.2
33	63	336SML063M	6.03	117	8x10.5
33	100	336SML100M	5.02	100	8x10.5
47	4	476SML004M	12.35	37	4x5.4
47	6.3	476SML6R3MD4	9.877	40	4x5.4
47	6.3	476SML6R3M	9.877	52	5x5.4
47	16	476SML016M	7.055	75	6.3x5.4
47	16	476SML016MD5	7.055	52	5x5.4
47	25	476SML025M	5.644	70	6.3x5.4
47	35	476SML035M	4.938	70	6.3x5.8
47	35	476SML035MD8	4.938	105	8x6.2
47	50	476SML050M	4.23	105	6.3x7.7
47	50	476SML050MD8	4.23	140	8x10.5
47	63	476SML063M	4.23	170	8x10.5
47	100	476SML100M	3.5274	130	10x10.5
68	6.3	686SML6R3M	6.826	50	5x5.4
68	16	686SML016M	4.876	78	6.3x5.4
100	4	107SML004M	5.83	63	5x5.4
100	6.3	107SML6R3M	4.642	54	5x5.4
100	16	107SML016M	3.316	103	6.3x5.4
100	25	107SML025M	2.653	145	8x6.2

# SML

+85°C Standard 2000 hrs

Capacitance (µF)	WVDC	IC PART NUMBER	Maximum ESR (Ω) 120 Hz, +20°C	Maximum RMS Ripple Current (mA) 120 Hz, +85°C	Dims DxL (mm)
100	35	<a href="#">107SML035M</a>	2.321	132	6.3x7.7
100	50	<a href="#">107SML050M</a>	1.99	200	8x10.5
100	50	<a href="#">107SML050MD10</a>	1.99	250	10x10.5
100	63	<a href="#">107SML063M</a>	1.99	280	10x10.5
150	4	<a href="#">157SML004M</a>	3.868	84	6.3x5.4
150	10	<a href="#">157SML010M</a>	2.653	88	6.3x5.4
150	16	<a href="#">157SML016M</a>	2.21	135	6.3x7.7
150	35	<a href="#">157SML035MD8</a>	1.547	220	8x10.5
220	4	<a href="#">227SML004M</a>	2.64	110	6.3x5.4
220	6.3	<a href="#">227SML6R3M</a>	2.11	91	6.3x5.8
220	10	<a href="#">227SML010M</a>	1.8086	250	8x6.5
220	16	<a href="#">227SML016MD8</a>	1.507	280	8x10.5
220	16	<a href="#">227SML016M</a>	1.507	162	6.3x7.7
220	25	<a href="#">227SML025M</a>	1.206	250	10x7.7
220	25	<a href="#">227SML025MD8</a>	1.206	230	8x10.5
220	35	<a href="#">227SML035MD10</a>	0.9	310	10x10.5
220	35	<a href="#">227SML035M</a>	0.9	270	8x10.5
220	50	<a href="#">227SML050M</a>	0.9043	320	10x10.5
330	6.3	<a href="#">337SML6R3M</a>	1.407	188	6.3x7.7
330	6.3	<a href="#">337SML6R3MD8</a>	1.407	190	8x6.2
330	25	<a href="#">337SML025MD10</a>	0.7	340	10x10.5
330	25	<a href="#">337SML025M</a>	0.7	270	8x10.5
330	35	<a href="#">337SML035M</a>	0.703	360	10x10.5
470	4	<a href="#">477SML004M</a>	1.24	150	6.3x7.7
470	6.3	<a href="#">477SML6R3M</a>	0.9877	380	8x10.5
470	10	<a href="#">477SML010MD8</a>	0.8466	390	8x10.5
470	16	<a href="#">477SML016MD10</a>	0.7055	330	10x10.5
470	16	<a href="#">477SML016M</a>	0.56	350	8x10.5
470	25	<a href="#">477SML025M</a>	0.49	430	10x10.5
1000	4	<a href="#">108SML004MD8</a>	0.58	300	8x10.5
1000	6.3	<a href="#">108SML6R3M</a>	0.464	370	8x10.5
1000	10	<a href="#">108SML010M</a>	0.398	580	10x10.5
1500	6.3	<a href="#">158SML6R3M</a>	0.3095	750	10x10.5