



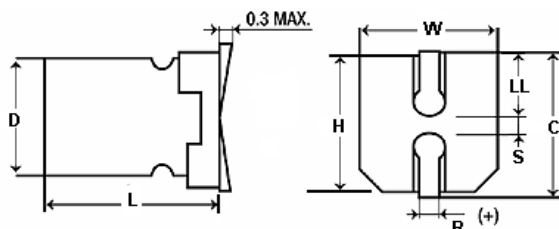
### FEATURES

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≥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≥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 +0.3/-0.2	4.3	4.3	5.0	0.5~0.8	1.8	1.0
5	5.4 +0.3/-0.2	5.3	5.3	6.0	0.5~0.8	2.1	1.4
6.3	5.4 +0.3/-0.2	6.6	6.6	7.3	0.5~0.8	2.4	2.2
6.3	5.8 +0.3/-0.3	6.6	6.6	7.3	0.5~0.8	2.4	2.2
6.3	7.7 +0.3/-0.3	6.6	6.6	7.3	0.5~0.8	2.4	2.2
8	6.5 +0.5/-0.5	8.3	8.3	9.0	0.5~1.1	2.4	3.2
8	10.5 +0.5/-0.5	8.3	8.3	9.0	0.7~1.1	2.8	3.2
10	10.5 +0.5/-0.5	10	10	11.0	0.7~1.1	3.2	4.6

WVDC	Capacitance (µF)	IC PART NUMBER	Maximum ESR (Ω) 120 Hz, +20°C	Maximum RMS Ripple Current (mA) 120 Hz, +85°C	Dims DxDL (mm)
4	33	<a href="#">336SML004M</a>	17.58	31	4x5.4
4	47	<a href="#">476SML004M</a>	12.35	37	4x5.4
4	100	<a href="#">107SML004M</a>	5.83	63	5x5.4
4	150	<a href="#">157SML004M</a>	3.868	84	6.3x5.4
4	220	<a href="#">227SML004M</a>	2.64	110	6.3x5.4
4	470	<a href="#">477SML004M</a>	1.24	150	6.3x7.7
4	1000	<a href="#">108SML004MD8</a>	0.58	300	8x10.5
6.3	22	<a href="#">226SML6R3M</a>	21.1	31	4x5.4
6.3	47	<a href="#">476SML6R3MD4</a>	9.877	40	4x5.4
6.3	47	<a href="#">476SML6R3M</a>	9.877	52	5x5.4
6.3	68	<a href="#">686SML6R3M</a>	6.826	50	5x5.4
6.3	100	<a href="#">107SML6R3M</a>	4.642	54	5x5.4
6.3	220	<a href="#">227SML6R3M</a>	2.11	91	6.3x5.8
6.3	330	<a href="#">337SML6R3M</a>	1.407	188	6.3x7.7
6.3	330	<a href="#">337SML6R3MD8</a>	1.407	190	8x6.5
6.3	470	<a href="#">477SML6R3M</a>	0.9877	380	8x10.5
6.3	1000	<a href="#">108SML6R3M</a>	0.464	370	8x10.5
6.3	1500	<a href="#">158SML6R3M</a>	0.3095	750	10x10.5
10	33	<a href="#">336SML010MD4</a>	12.057	34	4x5.4
10	33	<a href="#">336SML010M</a>	12.057	48	5x5.4
10	150	<a href="#">157SML010M</a>	2.653	88	6.3x5.4
10	220	<a href="#">227SML010M</a>	1.8086	250	8x6.5
10	470	<a href="#">477SML010MD8</a>	0.8466	390	8x10.5
10	1000	<a href="#">108SML010M</a>	0.398	580	10x10.5
16	10	<a href="#">106SML016M</a>	33.16	26	4x5.4
16	22	<a href="#">226SML016MD4</a>	12.057	30	4x5.4
16	22	<a href="#">226SML016M</a>	12.057	44	5x5.4
16	47	<a href="#">476SML016MD5</a>	7.055	52	5x5.4
16	47	<a href="#">476SML016M</a>	7.055	75	6.3x5.4
16	68	<a href="#">686SML016M</a>	4.876	78	6.3x5.4
16	100	<a href="#">107SML016M</a>	3.316	103	6.3x5.4
16	150	<a href="#">157SML016M</a>	2.21	135	6.3x7.7
16	220	<a href="#">227SML016M</a>	1.507	162	6.3x7.7
16	220	<a href="#">227SML016MD8</a>	1.507	280	8x10.5
16	470	<a href="#">477SML016M</a>	0.56	350	8x10.5
16	470	<a href="#">477SML016MD10</a>	0.7055	330	10x10.5
25	22	<a href="#">226SML025MD5</a>	12.06	38	5x5.4
25	33	<a href="#">336SML025MD5</a>	8.038	46	5x5.4
25	33	<a href="#">336SML025M</a>	8.038	67	6.3x5.4
25	47	<a href="#">476SML025M</a>	5.644	70	6.3x5.4
25	100	<a href="#">107SML025M</a>	2.653	145	8x6.5
25	220	<a href="#">227SML025MD8</a>	1.206	230	8x10.5
25	220	<a href="#">227SML025M</a>	1.206	250	10x7.7
25	330	<a href="#">337SML025M</a>	0.7	270	8x10.5
25	330	<a href="#">337SML025MD10</a>	0.7	340	10x10.5
25	470	<a href="#">477SML025M</a>	0.49	430	10x10.5
35	4.7	<a href="#">475SML035M</a>	49.38	20	4x5.4
35	10	<a href="#">106SML035MD4</a>	23.21	24	4x5.4
35	10	<a href="#">106SML035M</a>	23.21	34	5x5.4
35	22	<a href="#">226SML035M</a>	10.55	59	6.3x5.4
35	33	<a href="#">336SML035M</a>	7.033	65	6.3x5.4
35	47	<a href="#">476SML035M</a>	4.938	70	6.3x5.8
35	47	<a href="#">476SML035MD8</a>	4.938	105	8x6.5
35	100	<a href="#">107SML035M</a>	2.321	132	6.3x7.7
35	150	<a href="#">157SML035MD8</a>	1.547	220	8x10.5
35	220	<a href="#">227SML035M</a>	0.9	270	8x10.5
35	220	<a href="#">227SML035MD10</a>	0.9	310	10x10.5
35	330	<a href="#">337SML035M</a>	0.703	360	10x10.5

WVDC	Capacitance (µF)	IC PART NUMBER	Maximum ESR (Ω) 120 Hz, +20°C	Maximum RMS Ripple Current (mA) 120 Hz, +85°C	Dims DxL (mm)
50	0.1	<a href="#">104SML050MD4</a>	1989.44	3.2	4x5.4
50	0.22	<a href="#">224SML050MD4</a>	904.29	4.7	4x5.4
50	0.33	<a href="#">334SML050MD4</a>	602.86	5.7	4x5.4
50	0.47	<a href="#">474SML050MD4</a>	423.28	6.8	4x5.4
50	1	<a href="#">105SML050MD4</a>	198.944	10	4x5.4
50	2.2	<a href="#">225SML050MD4</a>	90.429	15	4x5.4
50	3.3	<a href="#">335SML050M</a>	60.29	18	4x5.4
50	4.7	<a href="#">475SML050M</a>	42.33	24	4x5.4
50	4.7	<a href="#">475SML050MD5</a>	42.33	25	5x5.4
50	10	<a href="#">106SML050MD5</a>	19.894	41	5x5.4
50	10	<a href="#">106SML050M</a>	19.894	43	6.3x5.4
50	22	<a href="#">226SML050M</a>	9.043	71	6.3x5.4
50	33	<a href="#">336SML050M</a>	6.029	85	6.3x7.7
50	33	<a href="#">336SML050MD8</a>	6.029	95	8x6.5
50	47	<a href="#">476SML050M</a>	4.23	105	6.3x7.7
50	47	<a href="#">476SML050MD8</a>	4.23	140	8x10.5
50	100	<a href="#">107SML050M</a>	1.99	200	8x10.5
50	100	<a href="#">107SML050MD10</a>	1.99	250	10x10.5
50	220	<a href="#">227SML050M</a>	0.9043	320	10x10.5
63	10	<a href="#">106SML063M</a>	19.89	34	6.3x5.4
63	22	<a href="#">226SML063M</a>	9.04	70	6.3x7.7
63	22	<a href="#">226SML063MD8</a>	9.043	120	8x10.5
63	33	<a href="#">336SML063M</a>	6.03	117	8x10.5
63	47	<a href="#">476SML063M</a>	4.23	170	8x10.5
63	100	<a href="#">107SML063M</a>	1.99	280	10x10.5
100	3.3	<a href="#">335SML100M</a>	50.24	28	6.3x5.8
100	4.7	<a href="#">475SML100MD8</a>	3.53	60	8x10.5
100	10	<a href="#">106SML100M</a>	16.57	50	6.3x7.7
100	10	<a href="#">106SML100MD8</a>	16.579	85	8x10.5
100	22	<a href="#">226SML100M</a>	7.54	120	8x10.5
100	33	<a href="#">336SML100M</a>	5.02	100	8x10.5
100	47	<a href="#">476SML100M</a>	3.5274	130	10x10.5

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