

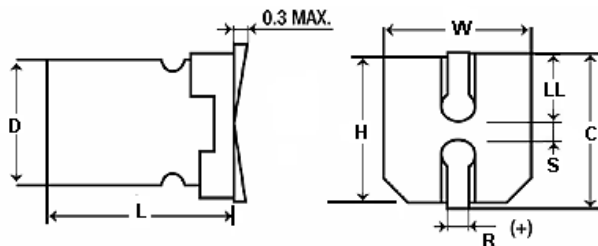
### FEATURES

Small size – Long Life

### APPLICATIONS

Filtering – Bypass/ Coupling – De-Coupling

<b>Operating Temperature Range</b>		<b>-55°C to +105°C</b>						
<b>Capacitance Tolerance</b>		<b>+20% at 120 Hz, 20°C</b>						
<b>Surge Voltage</b>	<b>WVDC</b>	<b>6.3</b>	<b>10</b>	<b>16</b>	<b>25</b>	<b>35</b>	<b>50</b>	
	<b>SVDC</b>	7.9	13	20	32	44	63	
<b>Dissipation Factor</b>	<b>WVDC</b>	<b>6.3</b>	<b>10</b>	<b>16</b>	<b>25</b>	<b>35</b>	<b>50</b>	
		.32	.24	.2	.16	.13	.12	
<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>6.3</b>	<b>10</b>	<b>16</b>	<b>25</b>	<b>35</b>	<b>50</b>	
	<b>-25°C to +20°C</b>	4	3	2	2	2	2	
	<b>-40°C to +20°C</b>	10	7	5	3	3	3	
<b>Load Life</b>		<b>5000 hours (3000 hours for D=4,5,6,3mm) at 105°C with rated WVDC</b>						
		<b>Capacitance Change</b>	≤30% of initial measured value					
		<b>Dissipation Factor</b>	≤300% of maximum specified value					
		<b>Leakage Current</b>	≤100% of maximum specified value					
<b>Shelf Life</b>		<b>1000 hours at 105°C with no voltage applied</b>						
		<b>Capacitance Change</b>	≤30% of initial measured value					
		<b>Dissipation Factor</b>	≤300% of maximum specified value					
		<b>Leakage Current</b>	≤100% of maximum specified value					
<b>Resistance to Soldering Heat</b>		<b>Capacitors placed on a 250°C 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>	≤100% of maximum specified value					
		<b>Leakage Current</b>	≤100% of maximum specified value					
<b>Ripple Current Multipliers</b>		<b>Frequency (Hz)</b>						
		50	120	300	1k	100k		
		.7	1.0	1.17	1.36	1.5		



D	L	W±0.2	H±0.2	C±0.2	R	LL±0.2	S±0.2
4	5.8 +/-0.3	4.3	4.3	5.0	0.5~0.8	1.8	1.0
5	5.8 +/-0.3	5.3	5.3	6.0	0.5~0.8	2.1	1.3
6.3	5.8 +/-0.3	6.6	6.6	7.3	0.5~0.8	2.4	2.2
6.3	7.7 +/-0.3	6.6	6.6	7.3	0.5~0.8	2.4	2.2
8	10.5 +/-0.5	8.3	8.3	9.0	0.7~1.0	2.9	3.1
10	10.5 +/-0.5	10.3	10.3	11.0	0.7~1.0	3.2	4.5

# SVL

+105°C, Long Life, up to 5000 hours

Capacitance (µF)	WVDC	IC PART NUMBER	Maximum ESR (Ω) 120 Hz, +20°C	Maximum RMS Ripple Current (mA) 120 Hz, +105°C	Dims DxL (mm)
1	50	<a href="#">105SVL050MCW</a>	198.94	8	4x5.8
2.2	50	<a href="#">225SVL050MCW</a>	90.43	12	4x5.8
3.3	50	<a href="#">335SVL050MCW</a>	90.29	17	4x5.8
4.7	35	<a href="#">475SVL035MCW</a>	45.6	20	4x5.8
4.7	50	<a href="#">475SVL050MDW</a>	42.33	21	5x5.8
10	16	<a href="#">106SVL016MCW</a>	33.16	20	4x5.8
10	35	<a href="#">106SVL035MDW</a>	21.55	30	5x5.8
10	50	<a href="#">106SVL050MEW</a>	19.89	35	6.3x5.8
22	16	<a href="#">226SVL016MDW</a>	15.07	35	5x5.8
22	35	<a href="#">226SVL035MEW</a>	9.8	50	6.3x5.8
22	50	<a href="#">226SVL050MEL</a>	9.04	52	6.3x7.7
33	10	<a href="#">336SVL010MDW</a>	12.06	40	5x5.8
33	25	<a href="#">336SVL025MEW</a>	8.04	50	6.3x5.8
33	35	<a href="#">336SVL035MEL</a>	6.53	62	6.3x7.7
33	50	<a href="#">336SVL050MFE</a>	6.03	80	8x10.5
47	6.3	<a href="#">476SVL6R3MDW</a>	11.29	45	5x5.8
47	16	<a href="#">476SVL016MEW</a>	7.05	60	6.3x5.8
47	25	<a href="#">476SVL025MEL</a>	5.64	65	6.3x7.7
47	50	<a href="#">476SVL050MFE</a>	4.23	95	8x10.5
100	10	<a href="#">107SVL010MEW</a>	3.98	75	6.3x5.8
100	16	<a href="#">107SVL016MEL</a>	3.32	90	6.3x7.7
100	25	<a href="#">107SVL025MFE</a>	2.65	140	8x10.5
100	50	<a href="#">107SVL050MGW</a>	1.99	99	10x10.5
220	6.3	<a href="#">227SVL6R3MEL</a>	2.41	105	6.3x7.7
220	10	<a href="#">227SVL010MFE</a>	1.81	170	8x10.5
220	35	<a href="#">227SVL035MGW</a>	0.98	230	10x10.5
330	6.3	<a href="#">337SVL6R3MFE</a>	1.61	245	8x10.5
330	25	<a href="#">337SVL025MGW</a>	0.8	250	10x10.5
470	16	<a href="#">477SVL016MGW</a>	0.71	360	10x10.5
1000	6.3	<a href="#">108SVL6R3MGW</a>	0.53	350	10x10.5