

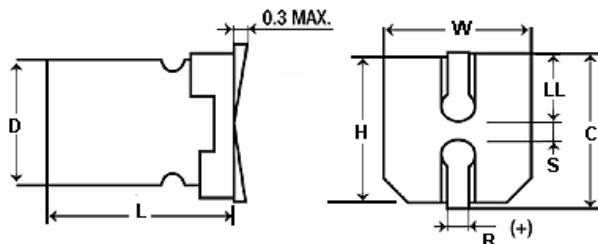
FEATURES

Small Size – Long Life

APPLICATIONS

Filtering – Bypass/ Coupling – De-Coupling

Operating Temperature Range		-55°C to +105°C						
Capacitance Tolerance		+20% at 120 Hz, 20°C						
Surge Voltage	WVDC	6.3	10	16	25	35	50	
	SVDC	7.9	13	20	32	44	63	
Dissipation Factor	WVDC	6.3	10	16	25	35	50	
		.32	.24	.2	.16	.13	.12	
Leakage Current		2 Minutes						
		.01CV or 3uA,Whichever is greater						
Low Temperature Stability Impedance Ratio (120 Hz)	Rated WVDC	6.3	10	16	25	35	50	
	-25°C to +20°C	4	3	2	2	2	2	
	-40°C to +20°C	10	7	5	3	3	3	
Load Life		5000 hours(3000 hours for D=4,5,6.3mm) at 105°C with rated WVDC						
		Capacitance Change		≤30% of initial measured value				
		Dissipation Factor		≤300% of maximum specified value				
		Leakage Current		≤100% of maximum specified value				
Shelf Life		1000 hours at 85°C with no voltage applied						
		Capacitance Change		≤30% of initial measured value				
		Dissipation Factor		≤300% of maximum specified value				
		Leakage Current		≤100% of maximum specified value				
Resistance to Soldering Heat		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						
		Capacitance Change		≤10% of initial measured value				
		Dissipation Factor		≤100% of maximum specified value				
		Leakage Current		≤100% of maximum specified value				
Ripple Current Multipliers		Frequency (Hz)						
		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 +0.1/-0.2	4.3	4.3	5.0	0.5-0.8	1.8	1.0
5	5.8 +0.1/-0.2	5.3	5.3	6.0	0.5-0.8	2.1	1.3
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	10.5+0.1/-0.2	8.3	8.3	9.0	0.7-1.0	2.9	3.1
10	10.5+0.1/-0.2	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	105SVL050MCW	198.94	8	4x5.8
2.2	50	225SVL050MCW	90.43	12	4x5.8
3.3	50	335SVL050MCW	90.29	17	4x5.8
4.7	35	475SVL035MCW	45.6	20	4x5.8
4.7	50	475SVL050MDW	42.33	21	5x5.8
10	16	106SVL016MCW	33.16	20	4x5.8
10	35	106SVL035MDW	21.55	30	5x5.8
10	50	106SVL050MEW	19.89	35	6.3x5.8
22	16	226SVL016MDW	15.07	35	5x5.8
22	35	226SVL035MEW	9.8	50	6.3x5.8
22	50	226SVL050MEL	9.04	52	6.3x7.7
33	10	336SVL010MDW	12.06	40	5x5.8
33	25	336SVL025MEW	8.04	50	6.3x5.8
33	35	336SVL035MEL	6.53	62	6.3x7.7
33	50	336SVL050MFE	6.03	80	8x10.5
47	6.3	476SVL6R3MDW	11.29	45	5x5.8
47	16	476SVL016MEW	7.05	60	6.3x5.8
47	25	476SVL025MEL	5.64	65	6.3x7.7
47	50	476SVL050MFE	4.23	95	8x10.5
100	10	107SVL010MEW	3.98	75	6.3x5.8
100	16	107SVL016MEL	3.32	90	6.3x7.7
100	25	107SVL025MFE	2.65	140	8x10.5
100	50	107SVL050MGW	1.99	99	10x10.5
220	6.3	227SVL6R3MEL	2.41	105	6.3x7.7
220	10	227SVL010MFE	1.81	170	8x10.5
220	35	227SVL035MGW	0.98	230	10x10.5
330	6.3	337SVL6R3MFE	1.61	245	8x10.5
330	25	337SVL025MGW	0.8	250	10x10.5
470	16	477SVL016MGW	0.71	360	10x10.5
1000	6.3	108SVL6R3MGW	0.53	350	10x10.5

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Cornell Dubilier:

[105SVL050MCW](#) [106SVL016MCW](#) [106SVL035MDW](#) [106SVL050MEW](#) [107SVL010MEW](#) [107SVL016MEL](#)
[107SVL025MFE](#) [107SVL050MGW](#) [108SVL6R3MGW](#) [225SVL050MCW](#) [226SVL016MDW](#) [226SVL035MEW](#)
[226SVL050MEL](#) [227SVL010MFE](#) [227SVL035MGW](#) [227SVL6R3MEL](#) [335SVL050MCW](#) [336SVL010MDW](#)
[336SVL025MEW](#) [336SVL035MEL](#) [336SVL050MFE](#) [337SVL6R3MFE](#) [475SVL035MCW](#) [475SVL050MDW](#)
[476SVL016MEW](#) [476SVL025MEL](#) [476SVL050MFE](#) [476SVL6R3MDW](#) [477SVL016MGW](#)