SVL

Surface Mount Capacitors

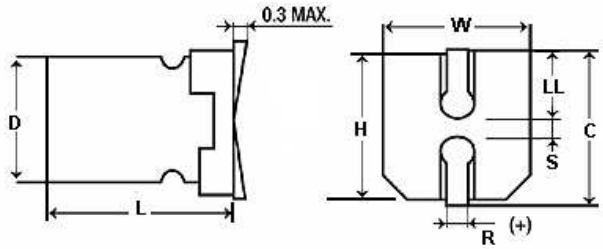
+105°C Very Long Life



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		

Special Order Options



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

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SVL

+105°C, Long Life, up to 5000 hours

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

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