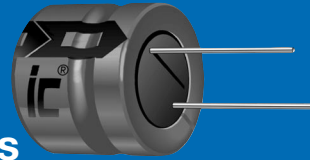


# SVF

## +85°C 5mm Height Low Profile Radial Lead Aluminum Electrolytic Capacitors



*For all general purpose applications*

### FEATURES

- *Very small size*
- *Capacitance range: 0.1  $\mu$ F to 330  $\mu$ F*
- *Voltage range: 4 WVDC to 50 WVDC*
- *Solvent tolerant end seals standard*

### SPECIFICATIONS

Capacitance tolerance		$\pm 20\%$ at 120Hz, 20°C										
Operating Temperature Range		-40°C to +85°C										
Dissipation Factor 120Hz, 25°C	WVDC	4	6.3	10	16	25	35	50				
	$\tan \delta$	.35	.24	.20	.16	.14	.12	.10				
Impedance Ratio (Max.) @120Hz	WVDC	4	6.3	10	16	25	35	50				
	-25/20°C	7	4	3	2	2	2	2				
	-40/20°C	15	8	6	4	4	3	3				
Leakage current	WVDC	$\leq 50$ WVDC										
	Time	2 minutes										
		.01 CV or 3 $\mu$ A whichever is greater										
Load Life	1,000 hours at 85°C with rated WVDC											
	Capacitance change Dissipation factor Leakage current					< 20% of initial measured values < 200% of initial specified value < Initial specified value						
Shelf Life	1,000 hours at 85°C with no voltage applied. Units will meet load life specifications.											
Ripple Current Multipliers	Frequency (Hz)						Temperature (°C)					
	50	120	400	1K	10K	100K	+85	+70	+60	+30		
	0.8	1.0	1.3	1.45	1.65	1.7	1.0	1.3	1.5	1.8		

### SPECIAL ORDER OPTIONS

(See pages 33 thru 37)

- Special tolerances:  $\pm 10\%$  (K), -10% + 30% (Q)
- Tape and Reel/Ammo-Pack
- Cut, Formed, Cut and Formed, and Snap In Leads



# SVF

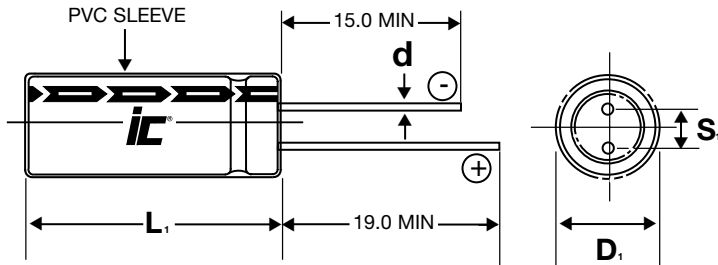
+ 85°C 5mm Height  
Low Profile Radial  
Lead Aluminum  
Electrolytic Capacitors

## PHYSICAL DIMENSIONS

WVDC (SV) ( $\mu$ F)	4 (5)	6.3 (8)	10 (13)	16 (20)	25 (32)	35 (44)	50 (63)
0.1							4x5
0.15							4X5
0.22							4x5
0.33							4X5
0.47							4X5
1							4X5
2.2							4X5
3.3							4X5
4.7							4X5
6.8					4x5	5X5	6.3X5
10					4X5	5X5	6.3X5
15					5X5		6.3X5
22			4X5		5X5		6.3X5, 8x5
33			4X5	5X5	6.3X5		8X5
47	4X5		5X5		6.3X5	8X5	
68	5X5			6.3X5	8X5		
100				6.3X5	8X5		
220	6.3X5		8X5				
330		8X5					

Convert to inches, divide by 25.4

DxL (mm)



### LEAD INFORMATION V.S. CASE DIAMETER

D	4	5	6.3	8
S	1.5	2.0	2.5	2.5
d	.45	.45	.45	.50

L<sub>1</sub>= L+1mm Max.  
S<sub>1</sub>= S±.5mm  
D<sub>1</sub>= D+.5mm Max.

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## STANDARD PART LISTING

Capacitance ( $\mu$ F)	WVDC	<b>ic</b> PART NUMBER	Maximum ESR $\Omega$ 120Hz,+20°C	Maximum RMS Ripple Current (mA) 120Hz,+85°C	Dimensions DxL (mm)
0.1	50	104SVF050M	1326.29	3	4x5
0.15	50	154SVF050M	1105.24	4	4x5
0.22	50	224SVF050M	602.860	4	4x5
0.33	50	334SVF050M	401.910	5	4x5
0.47	50	474SVF050M	282.190	6	4x5
1	50	105SVF050M	132.629	9	4x5
2.2	50	225SVF050M	60.290	14	4x5
3.3	50	335SVF050M	40.190	17	4x5
4.7	50	475SVF050M	28.220	20	4x5
6.8	25	685SVF025M	34.133	21	4x5
6.8	35	685SVF035M	29.256	26	5x5
6.8	50	685SVF050M	24.380	4	6.3x5
10	25	106SVF025M	23.210	25	4x5
10	35	106SVF035M	19.894	31	5x5
10	50	106SVF050M	13.260	39	6.3x5
15	25	156SVF025M	15.473	35	5x5
15	50	156SVF050M	11.050	48	6.3x5
22	10	226SVF010M	15.072	31	4x5
22	25	226SVF025M	10.550	43	5x5
22	50	226SVF050M	7.536	60	6.3x5
22	50	226SVF050MD8	7.536	70	8x5
33	10	336SVF010M	10.048	38	4x5
33	16	336SVF016M	8.038	49	5x5
33	25	336SVF025M	7.033	60	6.3x5
33	35	336SVF035M	6.029	65	6.3x5
33	50	336SVF050M	5.024	85	8x5
47	4	476SVF004M	12.346	35	4x5
47	10	476SVF010M	7.055	50	5x5
47	25	476SVF025M	4.938	70	6.3x5
47	35	476SVF035M	4.233	90	8x5
68	4	686SVF004M	8.533	47	5x5
68	16	686SVF016M	3.901	80	6.3x5
68	25	686SVF025M	3.413	100	8x5
100	16	107SVF016M	2.653	100	6.3x5
100	25	107SVF025M	2.321	120	8x5
220	4	227SVF004M	2.638	100	6.3x5
220	10	227SVF010M	1.507	150	8x5
330	6.3	337SVF6R3M	1.206	170	8x5