

SVF

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



Features

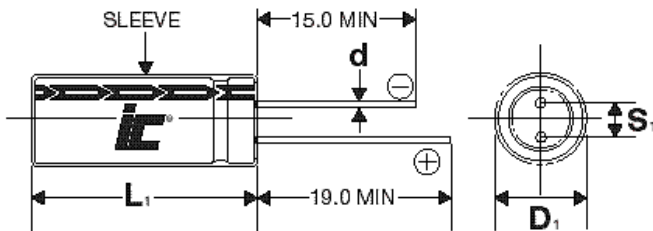
- Standard case sizes
- Low heights
- Lead Free Leads

Applications

- Bypass
- Coupling
- Filtering
- De-Coupling

Specifications

Operating Temperature Range		-40°C to +85°C										
Capacitance Tolerance		+20% at 120 Hz, 20°C										
Surge voltage	WVDC	4	6.3	10	16	25	35	50				
	SVDC	5.2	7.9	13	20	32	44	63				
Dissipation Factor	WVDC	4	6.3	10	16	25	35	50				
	tan δ	.35	.35	.24	.2	.16	.12	.1				
Leakage current		2 Minutes										
		.01CV or 3uA, Whichever is greater										
Low temperature stability Impedance ratio (120 Hz)	Rated WVDC	4	6.3	10	16	25	35	50				
	-25°C to +20°C	7	4	3	2	2	2	2				
	-40°C to +20°C	15	8	6	4	4	3	3				
Load Life		1000 hours at 85°C with rated WVDC and ripple current applied										
		Capacitance change	≤20% of initial measured value									
		Dissipation factor	≤200% of maximum specified value									
		Leakage current	≥100% of maximum specified value									
Shelf Life		1000 hours at 85°C with no voltage applied										
		Capacitance change	<20% of initial measured value									
		Dissipation factor	<200% of maximum specified value									
		Leakage current	≥100% of maximum specified value									
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	



D+0.5	4	5	6.3	8
S	1.5	2	2.5	3.5
D	.45	.45	.45	.5

L₁=L+1mm
S₁=S±0.5mm



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

Capacitance (µF)	WVDC	IC PART NUMBER	Maximum ESR (mΩ) 120 Hz, +20°C	Maximum RMS Ripple Current (mA) 120 Hz, +105°C	Dims DxL (mm)
0.1	50	104SVF050M	1326.29	3	4x5
0.15	50	154SVF050M	1105.24	4	4x5
0.22	50	224SVF050M	602.86	4	4x5
0.33	50	334SVF050M	401.91	5	4x5
0.47	50	474SVF050M	282.19	6	4x5
1	50	105SVF050M	132.629	9	4x5
2.2	50	225SVF050M	60.29	14	4x5
3.3	50	335SVF050M	40.19	17	4x5
4.7	50	475SVF050M	28.22	20	4x5
6.8	25	685SVF025M	34.13	21	4x5
6.8	35	685SVF035M	29.256	26	5x5
6.8	50	685SVF050M	24.38	4	6.3x5
10	25	106SVF025M	23.21	25	4x5
10	35	106SVF035M	19.894	31	5x5
10	50	106SVF050M	13.26	39	6.3x5
15	25	156SVF025M	15.473	35	5x5
15	50	156SVF050M	11.05	48	6.3x5
22	10	226SVF010M	15.072	31	4x5
22	25	226SVF025M	10.55	43	5x5

Capacitance (µF)	WVDC	IC PART NUMBER	Maximum ESR (mΩ) 120 Hz, +20°C	Maximum RMS Ripple Current (mA) 120 Hz, +105°C	Dims DxL (mm)
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	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