SVF

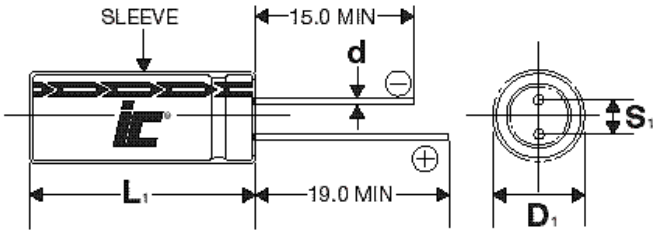
Aluminum Electrolytic Capacitors

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

FEATURES	5mm Height – Lead Free Leads
APPLICATIONS	Filtering – Bypass – Coupling – Blocking

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 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

L_1=L+1mm

S_1=S±0.5mm

ILLINOIS CAPACITOR

Your Global Source for World-Class Capacitors

North America
Tel: 847.675.1760
sales@illcap.com

Asia
Tel: 852.2793 0931
sales@illcap.com.hk

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

Capacitance (µF)	WVDC	IC PART NUMBER	Maximum ESR (Ω) 120 Hz, +20°C	Maximum RMS Ripple Current (mA) 120 Hz, +85°C	Dims DxL (mm)
0.1	50	104SVF050M	1989.4	1.5	4x5
0.15	50	154SVF050M	1326.29	4	4x5
0.22	50	224SVF050M	904.289	2.6	4x5
0.33	50	334SVF050M	602.86	3.2	4x5
0.47	50	474SVF050M	423.284	4	4x5
1	50	105SVF050M	198.94	8	4x5
2.2	50	225SVF050M	90.429	13	4x5
3.3	50	335SVF050M	60.286	17	4x5
4.7	50	475SVF050M	42.328	20	4x5
6.8	25	685SVF025M	34.13	21	4x5
6.8	35	685SVF035M	29.256	26	5x5
6.8	50	685SVF050M	29.259	4	6.3x5
10	25	106SVF025M	23.21	25	4x5
10	35	106SVF035M	19.894	29	5x5
10	50	106SVF050M	19.894	33	6.3x5
15	25	156SVF025M	15.473	35	5x5
15	50	156SVF050M	13.263	48	6.3x5
22	10	226SVF010M	15.072	36	4x5
22	25	226SVF025M	10.55	37	5x5

Capacitance (µF)	WVDC	IC PART NUMBER	Maximum ESR (Ω) 120 Hz, +20°C	Maximum RMS Ripple Current (mA) 120 Hz, +85°C	Dims DxL (mm)
22	50	226SVF050M	9.043	40	6.3x5
22	50	226SVF050MD8	9.043	52	8x5
33	10	336SVF010M	10.048	41	4x5
33	16	336SVF016M	8.038	49	5x5
33	35	336SVF035M	6.029	62	6.3x5
33	50	336SVF050M	6.029	71	8x5
47	4	476SVF004M	12.346	33	4x5
47	10	476SVF010M	7.055	52	5x5
47	25	476SVF025M	4.938	70	6.3x5
47	35	476SVF035M	4.233	80	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	80	6.3x5
100	25	107SVF025M	2.321	110	8x5
220	4	227SVF004M	2.638	96	6.3x5
220	10	227SVF010M	1.507	135	8x5
330	6.3	337SVF6R3M	1.206	145	8x5

North America
Tel: 847.675.1760
sales@illcap.com

Asia
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