SVF

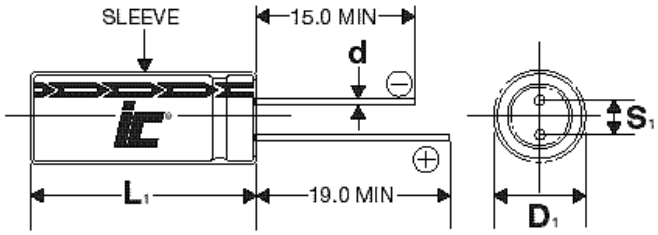
Aluminum Electrolytic Capacitors

+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

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WVDC	Capacitance (µF)	IC PART NUMBER	Maximum ESR (Ω) 120 Hz, +20°C	Maximum RMS Ripple Current (mA) 120 Hz, +85°C	Dims DxL (mm)
4	47	476SVF004M	12.346	33	4x5
4	68	686SVF004M	8.533	47	5x5
4	220	227SVF004M	2.638	96	6.3x5
6.3	330	337SVF6R3M	1.206	145	8x5
10	22	226SVF010M	15.072	36	4x5
10	33	336SVF010M	10.048	41	4x5
10	47	476SVF010M	7.055	52	5x5
10	220	227SVF010M	1.507	135	8x5
16	33	336SVF016M	8.038	49	5x5
16	68	686SVF016M	3.901	80	6.3x5
16	100	107SVF016M	2.653	80	6.3x5
25	6.8	685SVF025M	34.13	21	4x5
25	10	106SVF025M	23.21	25	4x5
25	15	156SVF025M	15.473	35	5x5
25	22	226SVF025M	10.55	37	5x5
25	47	476SVF025M	4.938	70	6.3x5
25	68	686SVF025M	3.413	100	8x5
25	100	107SVF025M	2.321	110	8x5
35	6.8	685SVF035M	29.256	26	5x5

WVDC	Capacitance (µF)	IC PART NUMBER	Maximum ESR (Ω) 120 Hz, +20°C	Maximum RMS Ripple Current (mA) 120 Hz, +85°C	Dims DxL (mm)
35	10	106SVF035M	19.894	29	5x5
35	33	336SVF035M	6.029	62	6.3x5
35	47	476SVF035M	4.233	80	8x5
50	0.1	104SVF050M	1989.4	1.5	4x5
50	0.15	154SVF050M	1326.29	4	4x5
50	0.22	224SVF050M	904.289	2.6	4x5
50	0.33	334SVF050M	602.86	3.2	4x5
50	0.47	474SVF050M	423.284	4	4x5
50	1	105SVF050M	198.94	8	4x5
50	2.2	225SVF050M	90.429	13	4x5
50	3.3	335SVF050M	60.286	17	4x5
50	4.7	475SVF050M	42.328	20	4x5
50	6.8	685SVF050M	29.259	4	6.3x5
50	10	106SVF050M	19.894	33	6.3x5
50	15	156SVF050M	13.263	48	6.3x5
50	22	226SVF050M	9.043	40	6.3x5
50	22	226SVF050MD8	9.043	52	8x5
50	33	336SVF050M	6.029	71	8x5

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