



## Aluminum Electrolytic Capacitors

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

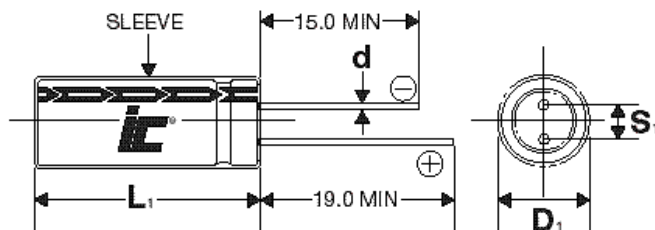
### FEATURES

5mm Height – Lead free leads

### APPLICATIONS

Filtering – Bypass – Coupling – Blocking

<b>Operating Temperature Range</b>		<b>-40°C to +85°C</b>									
<b>Capacitance Tolerance</b>		<b>+20% at 120 Hz, 20°C</b>									
<b>Surge voltage</b>	<b>WVDC</b>	<b>4</b>	<b>6.3</b>	<b>10</b>	<b>16</b>	<b>25</b>	<b>35</b>	<b>50</b>			
	<b>SVDC</b>	5.2	7.9	13	20	32	44	63			
<b>Dissipation Factor</b>	<b>WVDC</b>	<b>4</b>	<b>6.3</b>	<b>10</b>	<b>16</b>	<b>25</b>	<b>35</b>	<b>50</b>			
	<b>tan δ</b>	.35	.35	.24	.2	.16	.12	.1			
<b>Leakage current</b>		<b>2 Minutes</b>									
		.01CV or 3uA, Whichever is greater									
<b>Low temperature stability Impedance ratio (120 Hz)</b>	<b>Rated WVDC</b>	<b>4</b>	<b>6.3</b>	<b>10</b>	<b>16</b>	<b>25</b>	<b>35</b>	<b>50</b>			
	<b>-25°C to +20°C</b>	7	4	3	2	2	2	2			
	<b>-40°C to +20°C</b>	15	8	6	4	4	3	3			
<b>Load Life</b>		<b>1000 hours at 85°C with rated WVDC applied</b>									
		<b>Capacitance change</b>	≤20% of initial measured value								
		<b>Dissipation factor</b>	≤200% of maximum specified value								
<b>Shelf Life</b>		<b>1000 hours at 85°C with no voltage applied</b>									
		<b>Capacitance change</b>	≤20% of initial measured value								
		<b>Dissipation factor</b>	≤200% of maximum specified value								
<b>Ripple Current Multipliers</b>		<b>Frequency (Hz)</b>						<b>Temperature (°C)</b>			
		<b>50</b>	<b>120</b>	<b>400</b>	<b>1k</b>	<b>10k</b>	<b>100k</b>	<b>85</b>	<b>70</b>	<b>60</b>	<b>30</b>
		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<sub>1</sub>=L+1mm  
S<sub>1</sub>=S+0.5mm

# SVF

**+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, +105°C	Dims DxL (mm)
0.1	50	<b>104SVF050M</b>	1989.4	1.5	4x5
0.15	50	<b>154SVF050M</b>	1326.29	4	4x5
0.22	50	<b>224SVF050M</b>	904.289	2.6	4x5
0.33	50	<b>334SVF050M</b>	602.86	3.2	4x5
0.47	50	<b>474SVF050M</b>	423.284	4	4x5
1	50	<b>105SVF050M</b>	198.94	8	4x5
2.2	50	<b>225SVF050M</b>	90.429	13	4x5
3.3	50	<b>335SVF050M</b>	60.286	17	4x5
4.7	50	<b>475SVF050M</b>	42.328	20	4x5
6.8	25	<b>685SVF025M</b>	34.13	21	4x5
6.8	35	<b>685SVF035M</b>	29.256	26	5x5
6.8	50	<b>685SVF050M</b>	29.259	4	6.3x5
10	25	<b>106SVF025M</b>	23.21	25	4x5
10	35	<b>106SVF035M</b>	19.894	29	5x5
10	50	<b>106SVF050M</b>	19.894	33	6.3x5
15	25	<b>156SVF025M</b>	15.473	35	5x5
15	50	<b>156SVF050M</b>	13.263	48	6.3x5
22	10	<b>226SVF010M</b>	15.072	36	4x5
22	25	<b>226SVF025M</b>	10.55	37	5x5

Capacitance (µF)	WVDC	IC PART NUMBER	Maximum ESR (Ω) 120 Hz, +20°C	Maximum RMS Ripple Current (mA) 120 Hz, +105°C	Dims DxL (mm)
22	50	<b>226SVF050M</b>	9.043	40	6.3x5
22	50	<b>226SVF050MD8</b>	9.043	52	8x5
33	10	<b>336SVF010M</b>	10.048	41	4x5
33	16	<b>336SVF016M</b>	8.038	49	5x5
33	35	<b>336SVF035M</b>	6.029	62	6.3x5
33	50	<b>336SVF050M</b>	6.029	71	8x5
47	4	<b>476SVF004M</b>	12.346	33	4x5
47	10	<b>476SVF010M</b>	7.055	52	5x5
47	25	<b>476SVF025M</b>	4.938	70	6.3x5
47	35	<b>476SVF035M</b>	4.233	80	8x5
68	4	<b>686SVF004M</b>	8.533	47	5x5
68	16	<b>686SVF016M</b>	3.901	80	6.3x5
68	25	<b>686SVF025M</b>	3.413	100	8x5
100	16	<b>107SVF016M</b>	2.653	80	6.3x5
100	25	<b>107SVF025M</b>	2.321	110	8x5
220	4	<b>227SVF004M</b>	2.638	96	6.3x5
220	10	<b>227SVF010M</b>	1.507	135	8x5
330	6.3	<b>337SVF6R3M</b>	1.206	145	8x5