



## Aluminum Electrolytic Capacitors

+105°C 5mm Height, Low Profile, Radial Lead

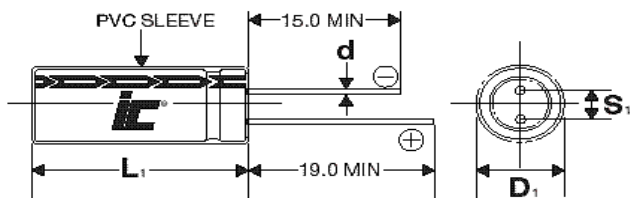
### FEATURES

5mm Height - Lead Free Leads

### APPLICATIONS

Filtering - Bypass - Coupling - Blocking

<b>Operating Temperature Range</b>		<b>-40°C to +105°C</b>								
<b>Capacitance Tolerance</b>		<b>+20% at 120 Hz, 20°C</b>								
<b>Surge voltage</b>	<b>WVDC</b>	<b>6.3</b>	<b>10</b>	<b>16</b>	<b>25</b>	<b>35</b>	<b>50</b>			
	<b>SVDC</b>	7.9	13	20	32	44	63			
<b>Dissipation Factor</b>	<b>WVDC</b>	<b>6.3</b>	<b>10</b>	<b>16</b>	<b>25</b>	<b>35</b>	<b>50</b>			
	<b>Tan δ</b>	.28	.24	.2	.16	.13	.12			
<b>Leakage current</b>		<b>2 Minutes</b>								
		.01CV or 3uA, Whichever is greater								
<b>Low temperature stability Impedance ratio (120 Hz)</b>	<b>WVDC</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>	3	3	2	2	2	2			
	<b>-40°C to +20°C</b>	6	5	4	3	3	3			
<b>Load Life</b>		<b>1000 hours at 105°C with rated WVDC current applied</b>								
		<b>Capacitance change</b>		≤25% of initial measured value						
		<b>Dissipation factor</b>		≤150% of maximum specified value						
		<b>Leakage current</b>		≤100% of maximum specified value						
<b>Shelf Life</b>		<b>1000 hours at 105°C with no voltage applied</b>								
		<b>Capacitance change</b>		≤20% initial measured value						
		<b>Dissipation factor</b>		≤200% of maximum specified value						
		<b>Leakage current</b>		≤100% 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>+105</b>	<b>+85</b>	<b>+60</b>
		.8	1.0	1.3	1.45	1.65	1.7	1.0	1.4	1.75



D+0.5	4	5	6.3
S	1.5	2.0	2.5
d	.45	0.5	0.5

L<sub>1</sub>=L+1.5mm Max. mm

D<sub>1</sub>=D+0.5mm Max.

S<sub>1</sub>=S+0.5 mm

# STF

+105°C, 5mm height General purpose, 1000 hours

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>104STF050M</b>	1658.7	1	4x5
0.22	50	<b>224STF050M</b>	904.75	2.6	4x5
0.33	50	<b>334STF050M</b>	502.64	3.2	4x5
0.47	50	<b>474STF050M</b>	3.8	3.8	4x5
1	50	<b>105STF050M</b>	165.87	6.2	4x5
2.2	50	<b>225STF050M</b>	75.4	11	4x5
3.3	50	<b>335STF050M</b>	50.26	14	4x5
4.7	35	<b>475STF035M</b>	42.35	15	4x5
4.7	50	<b>475STF050M</b>	35.29	19	5x5
10	16	<b>106STF016M</b>	26.54	18	4x5

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)
10	35	<b>106STF035M</b>	19.9	25	5x5
10	50	<b>106STF050M</b>	19.9	30	6.3x5
22	6.3	<b>226STF6R3M</b>	18.09	22	4x5
22	16	<b>226STF016M</b>	12.06	30	5x5
22	35	<b>226STF035M</b>	9.05	48	6.3x5
33	10	<b>336STF010M</b>	10.05	35	5x5
33	25	<b>336STF025M</b>	7.04	48	6.3x5
47	6.3	<b>476STF6R3M</b>	9.877	36	5x5
47	16	<b>476STF016M</b>	7.055	50	6.3x5
100	6.3	<b>107STF6R3M</b>	3.98	60	6.3x5