



Aluminum Electrolytic Capacitors

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

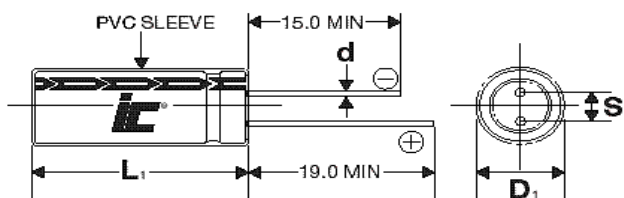
FEATURES

5mm Height - Lead Free Leads

APPLICATIONS

Filtering - Bypass - Coupling - Blocking

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

$L_1 = L + 1.5\text{mm Max.}$ mm

$D_1 = D + 0.5\text{mm Max.}$

$S_1 = S + 0.5\text{ mm}$

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	104STF050M	1658.7	1	4x5
0.22	50	224STF050M	904.75	2.6	4x5
0.33	50	334STF050M	502.64	3.2	4x5
0.47	50	474STF050M	3.8	3.8	4x5
1	50	105STF050M	165.87	6.2	4x5
2.2	50	225STF050M	75.4	11	4x5
3.3	50	335STF050M	50.26	14	4x5
4.7	35	475STF035M	42.35	15	4x5
4.7	50	475STF050M	35.29	19	5x5
10	16	106STF016M	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	106STF035M	19.9	25	5x5
10	50	106STF050M	19.9	30	6.3x5
22	6.3	226STF6R3M	18.09	22	4x5
22	16	226STF016M	12.06	30	5x5
22	35	226STF035M	9.05	48	6.3x5
33	10	336STF010M	10.05	35	5x5
33	25	336STF025M	7.04	48	6.3x5
47	6.3	476STF6R3M	9.877	36	5x5
47	16	476STF016M	7.055	50	6.3x5
100	6.3	107STF6R3M	3.98	60	6.3x5