



Aluminum Electrolytic Capacitors

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

FEATURES

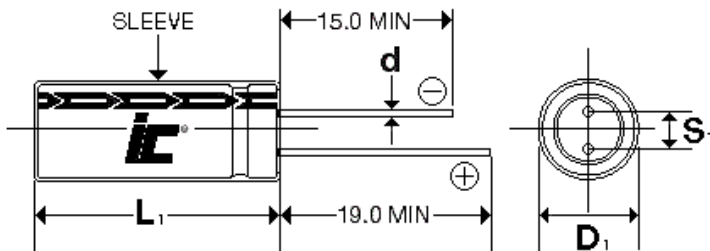
5mm Height - Lead Free Leads

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	

[Special Order Options](#)



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

L₁=L+1.5mm Max. mm
 D₁=D+0.5mm Max.
 S₁=S+0.5 mm

STF

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

WVDC	Capacitance (µF)	IC PART NUMBER	Maximum ESR (Ω) 120 Hz, +20°C	Maximum RMS Ripple Current (mA) 120 Hz, +105°C	Dims DxL (mm)
6.3	22	226STF6R3M	18.09	22	4x5
6.3	47	476STF6R3M	9.877	36	5x5
6.3	100	107STF6R3M	3.98	60	6.3x5
10	33	336STF010M	10.05	35	5x5
16	10	106STF016M	26.54	18	4x5
16	22	226STF016M	12.06	30	5x5
16	47	476STF016M	7.055	50	6.3x5
25	33	336STF025M	7.04	48	6.3x5
35	4.7	475STF035M	42.35	15	4x5
35	10	106STF035M	19.9	25	5x5

WVDC	Capacitance (µF)	IC PART NUMBER	Maximum ESR (Ω) 120 Hz, +20°C	Maximum RMS Ripple Current (mA) 120 Hz, +105°C	Dims DxL (mm)
35	22	226STF035M	9.05	48	6.3x5
50	0.1	104STF050M	1658.7	1	4x5
50	0.22	224STF050M	904.75	2.6	4x5
50	0.33	334STF050M	502.64	3.2	4x5
50	0.47	474STF050M	3.8	3.8	4x5
50	1	105STF050M	165.87	6.2	4x5
50	2.2	225STF050M	75.4	11	4x5
50	3.3	335STF050M	50.26	14	4x5
50	4.7	475STF050M	35.29	19	5x5
50	10	106STF050M	19.9	30	6.3x5