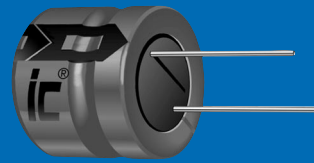


STF

+105°C 5mm Height Low Profile Radial Lead Aluminum Electrolytic Capacitors



For all long life general purpose applications

FEATURES

- *Very Small Size*
- *Capacitance range: 0.1 μ F to 100 μ F*
- *Voltage range: 6.3 WVDC to 50 WVDC*
- *Solvent tolerant end seals standard*

SPECIFICATIONS

Capacitance Tolerance		$\pm 20\%$ at 120Hz, 20°C											
Operating Temperature Range		-55°C to +105°C											
Dissipation Factor 120Hz 20°C	WVDC	6.3	10	16	25	35	50						
	tan δ	.28	.24	.20	.16	.13	.12						
Impedance Ratio (Max.) @120Hz	WVDC	6.3	10	16	25	35	50						
	-25°C/20°C	3	3	2	2	2	2						
	-40°C/20°C	8	5	4	3	3	3						
Leakage Current	WVDC	≤ 50 WVDC											
	Time	2 minutes											
		.01 CV or 3 μ A whichever is greater											
Load Life		1,000 hours at 105°C with rated WVDC											
		Capacitance change Dissipation factor Leakage current									< 25% of initial measured value < 200% of initial specified value < Initial specified value		
Shelf Life		1,000 hours at 105°C with no voltage applied. Units will meet load life specification.											
Ripple Current Multipliers		Frequency (Hz)						Temperature (°C)					
		50	120	400	1K	10K	100K	+105	+85	+65			
		0.8	1.0	1.3	1.45	1.65	1.7	1.0	1.4	1.75			

SPECIAL ORDER OPTIONS

(See pages 33 thru 37)

- *Special tolerances: $\pm 10\%$ (K), -10% + 30% (Q)*
- *Tape and Reel/Ammo Pack*
- *Cut, formed, cut and formed, and snap-in leads*
- *Epoxy end seal*
- *Polyester sleeve*



STF

+ 105°C 5mm Height
Low Profile Aluminum
Electrolytic Capacitors

STANDARD PART LISTING

Capacitance (μF)	WVDC	IC [®] PART NUMBER	Maximum ESR Ω 120Hz, +20°C	Maximum RMS Ripple Current (mA) 120Hz, +105°C	Dimension DxL (mm)
0.1	50	104STF050M	1989.44	2	4x5
0.22	50	224STF050M	904.29	4	4x5
0.33	50	334STF050M	602.860	4	4x5
0.47	50	474STF050M	423.284	5	4x5
1.0	50	105STF050M	198.944	8	4x5
2.2	50	225STF050M	90.429	11	4x5
3.3	50	335STF050M	60.286	14	4x5
4.7	35	475STF035M	45.856	15	4x5
4.7	50	475STF050M	42.328	19	5x5
10	16	106STF016M	33.157	19	4x5

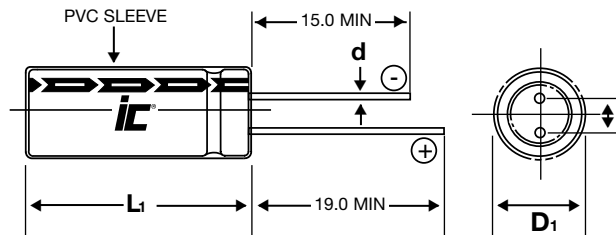
Capacitance (μF)	WVDC	IC [®] PART NUMBER	Maximum ESR Ω 120Hz, +20°C	Maximum RMS Ripple Current (mA) 120Hz, +105°C	Dimension DxL (mm)
10	35	106STF035M	21.552	25	5x5
10	50	106STF050M	19.894	31	6.3x5
22	6.3	226STF6R3M	21.100	23	4x5
22	16	226STF016M	15.071	32	5x5
22	35	226STF035M	9.796	42	6.3x5
33	10	336STF010M	12.057	35	5x5
33	25	336STF025M	8.038	48	6.3x5
47	6.3	476STF6R3M	9.877	38	5x5
47	16	476STF016M	7.055	55	6.3x5
100	6.3	107STF6R3M	4.642	65	6.3x5

PHYSICAL DIMENSIONS

WVDC (SV) (μF)	6.3 (8)	10 (13)	16 (20)	25 (32)	35 (44)	50 (63)
0.1						4x5
.22						4x5
.33						4x5
.47						4x5
1.0						4x5
2.2						4x5
3.3						4x5
4.7					4x5	5x5
10			4x5		5x5	6.3x5
22	4x5		5x5		6.3x5	
33		5x5		6.3x5		
47	5x5		6.3x5			
100	6.3x5					

Convert to inches, divide by 25.4

DxL(mm)



LEAD INFORMATION V.S. CASE DIAMETER

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

L₁ ≤ L + 1.0mm Max.

D₁ = D + 0.5mm Max.

S = S ± 0.5mm

