STF

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



Features

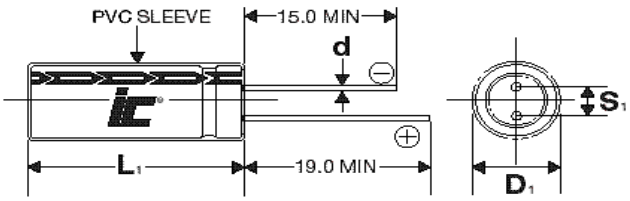
- Standard case sizes
- Low Profile
- Lead free leads

Applications

- Bypass
- Coupling
- Filtering
- De-coupling

Specifications

Operating Temperature Range		**-55°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 and ripple current applied**						
		Capacitance change	≤20% 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+1.5mm Max. mm
D_1=D+0.5mm Max.
S_1=S+0.5 mm

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STF

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

Capacitance (µF)	WVDC	IC PART NUMBER	Maximum ESR (mΩ) 120 Hz, +20°C	Maximum RMS Ripple Current (mA) 120 Hz, +105°C	Dims DxL (mm)
0.1	50	104STF050M	1989.44	2	4x5
0.22	50	224STF050M	904.29	4	4x5
0.33	50	334STF050M	602.86	4	4x5
0.47	50	474STF050M	423.28	5	4x5
1	50	105STF050M	198.94	8	4x5
2.2	50	225STF050M	90.43	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
10	35	106STF035M	21.55	25	5x5
10	50	106STF050M	19.894	31	6.3x5
22	6.3	226STF6R3M	21.1	23	4x5
22	16	226STF016M	15.072	32	5x5
22	35	226STF035M	9.8	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

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