RSS

Aluminum Electrolytic Capacitors

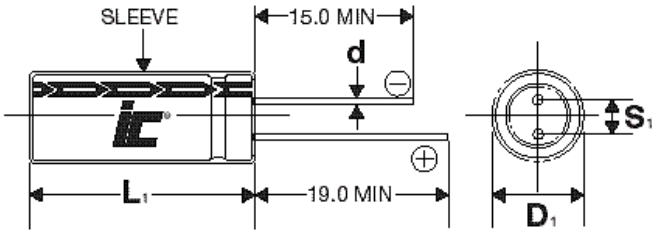
+85°C Low Profile, Radial Lead

FEATURES	Small Size – Low Profile – Lead Free Leads
APPLICATIONS	Coupling – Blocking – Bypass – Filtering

Operating Temperature Range		**-40°C to +85°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	.25	.2	.17	.15	.12	.1	
Leakage current		**2 Minutes**						
		.01CV or 3uA,Whichever is greater						
Low temperature stability Impedance ratio (120 Hz)	**Rated WVDC**	**6.3**	**10**	**16**	**25**	**35**	**50**	
	-25°C to +20°C	5	4	3	2	2	2	
	-40°C to +20°C	10	8	6	4	4	4	

Load Life	**1000 hours at 85°C with rated WVDC applied**	
	Capacitance change	≤20% of initial measured value
	Dissipation factor	≤200% of maximum specified value
	Leakage current	≥100% of maximum specified value
Shelf Life	**1000 hours at 85°C with no voltage applied**	
	Capacitance change	≤20% of 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**	**85**	**70**	**65**	**60**	**45**
	0.85	1.0	1.1	1.13	1.15	1.4	1.0	1.4	1.6	1.7	1.8



D+.5	4	5	6.3	8	10	12.5	16
S	1.5	2	2.5	3.5	5	5	7.5
d	.45	.45	.45	.6	.6	.6	.8
B	0.5	0.5	0.5	0.5	0.5	0.8	0.5

L_1=L+1mm

S_1=S±0.5mm

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RSS

+85°C, 7 to 15mm Height
1000 hours

Capacitance (µF)	WVDC	IC PART NUMBER	Maximum ESR (Ω) 120 Hz, +20°C	Maximum RMS Ripple Current (mA) 120 Hz, +85°C	Dims DxL (mm)
1	50	105RSS050M	165.786	10	4x7
2.2	50	225RSS050M	75.358	20	4x7
3.3	50	335RSS050M	50.238	25	4x7
4.7	35	475RSS035M	42.328	25	4x7
4.7	50	475RSS050M	35.274	30	5x7
10	16	106RSS016M	28.184	40	4x7
10	35	106RSS035M	19.894	45	5x7
10	50	106RSS050M	16.579	50	6.3x7
22	16	226RSS016M	12.811	45	5x7
22	35	226RSS035M	9.043	70	6.3x7
33	10	336RSS010M	10.0477	50	5x7
33	25	336RSS025M	7.536	70	6.3x7

Capacitance (µF)	WVDC	IC PART NUMBER	Maximum ESR (Ω) 120 Hz, +20°C	Maximum RMS Ripple Current (mA) 120 Hz, +85°C	Dims DxL (mm)
47	6.3	476RSS6R3M	7.055	80	5x7
47	16	476RSS016M	5.997	80	6.3x7
100	6.3	107RSS6R3M	4.145	90	6.3x7
100	25	107RSS025M	2.487	135	8x9
100	35	107RSS035M	1.989	160	10x9
220	10	227RSS010M	1.507	165	8x9
220	16	227RSS016M	1.281	202	10x9
470	6.3	477RSS6R3M	0.882	238	10x9
470	35	477RSS035M	0.423	524	10x12.5
1000	16	108RSS016M	0.282	655	12.5x15
1000	35	108RSS035M	0.199	1000	16x15
2200	16	228RSS016M	0.1583	940	16x15

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