RSS

Aluminum Electrolytic Capacitors

+85°C Low Profile, Radial Lead



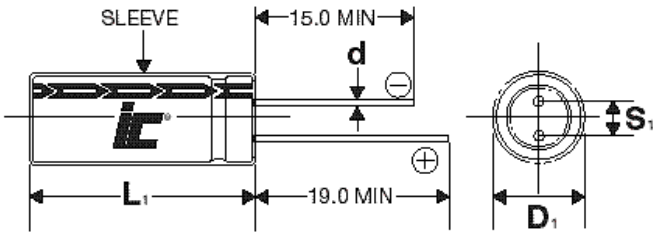
FEATURES	Small Size – Low Profile – Lead Free Leads
APPLICATIONS	Coupling – Blocking – Bypass – Filtering

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 3μA,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

Special Order Options



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

L_1=L+1mm
S_1=S±0.5mm

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+85°C, 7 to 15mm Height, 1000 hours

WVDC	Capacitance (µF)	IC PART NUMBER	Maximum ESR (Ω) 120 Hz, +20°C	Maximum RMS Ripple Current (mA) 120 Hz, +85°C	Dims DxL (mm)
6.3	47	476RSS6R3M	8.818	80	5x7
6.3	100	107RSS6R3M	4.145	90	6.3x7
6.3	470	477RSS6R3M	0.882	238	10x9
10	33	336RSS010M	10.0477	50	5x7
10	220	227RSS010M	1.507	165	8x9
16	10	106RSS016M	28.184	40	4x7
16	22	226RSS016M	12.811	45	5x7
16	47	476RSS016M	5.997	80	6.3x7
16	220	227RSS016M	1.281	202	10x9
16	1000	108RSS016M	0.282	655	12.5x15
16	2200	228RSS016M	0.1583	940	16x15
25	33	336RSS025M	7.536	70	6.3x7

WVDC	Capacitance (µF)	IC PART NUMBER	Maximum ESR (Ω) 120 Hz, +20°C	Maximum RMS Ripple Current (mA) 120 Hz, +85°C	Dims DxL (mm)
25	100	107RSS025M	2.487	135	8x9
35	4.7	475RSS035M	42.328	25	4x7
35	10	106RSS035M	19.894	45	5x7
35	22	226RSS035M	9.043	70	6.3x7
35	100	107RSS035M	1.989	160	10x9
35	470	477RSS035M	0.423	524	10x12.5
35	1000	108RSS035M	0.199	1000	16x15
50	1	105RSS050M	165.786	10	4x7
50	2.2	225RSS050M	75.358	20	4x7
50	3.3	335RSS050M	50.238	25	4x7
50	4.7	475RSS050M	35.274	30	5x7
50	10	106RSS050M	16.579	50	6.3x7

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