



## Aluminum Electrolytic Capacitors

+85°C Low Profile, Radial Lead

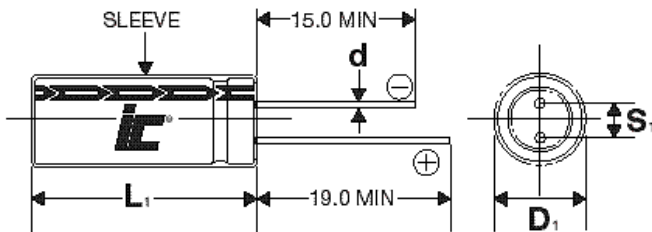
### FEATURES

Small Size - Low Profile - Lead Free Leads

### APPLICATIONS

Coupling - Blocking - Bypass - Filtering

<b>Operating Temperature Range</b>		<b>-40°C to +85°C</b>										
<b>Capacitance Tolerance</b>		<b>+20% at 120 Hz, 20°C</b>										
<b>Surge voltage</b>	<b>WVDC</b>	<b>6.3</b>	<b>10</b>	<b>16</b>	<b>25</b>	<b>35</b>	<b>50</b>					
	<b>SVDC</b>	7.9	13	20	32	44	63					
<b>Dissipation Factor</b>	<b>WVDC</b>	<b>6.3</b>	<b>10</b>	<b>16</b>	<b>25</b>	<b>35</b>	<b>50</b>					
	<b>tan δ</b>	.25	.2	.17	.15	.12	.1					
<b>Leakage current</b>		<b>2 Minutes</b>										
		.01CV or 3uA, Whichever is greater										
<b>Low temperature stability Impedance ratio (120 Hz)</b>	<b>Rated WVDC</b>	<b>6.3</b>	<b>10</b>	<b>16</b>	<b>25</b>	<b>35</b>	<b>50</b>					
	<b>-25°C to +20°C</b>	5	4	3	2	2	2					
	<b>-40°C to +20°C</b>	10	8	6	4	4	4					
<b>Load Life</b>		<b>1000 hours at 85°C with rated WVDC applied</b>										
		<b>Capacitance change</b>	<20% of initial measured value									
		<b>Dissipation factor</b>	<200% of maximum specified value									
		<b>Leakage current</b>	≥100% of maximum specified value									
<b>Shelf Life</b>		<b>1000 hours at 85°C with no voltage applied</b>										
		<b>Capacitance change</b>	<20% of initial measured value									
		<b>Dissipation factor</b>	<200% of maximum specified value									
		<b>Leakage current</b>	≥100% of maximum specified value									
<b>Ripple Current Multipliers</b>		<b>Frequency (Hz)</b>					<b>Temperature (°C)</b>					
		<b>50</b>	<b>120</b>	<b>400</b>	<b>1k</b>	<b>10k</b>	<b>100k</b>	<b>85</b>	<b>70</b>	<b>65</b>	<b>60</b>	<b>45</b>
		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<sub>1</sub>=L+1mm  
S<sub>1</sub>=S±0.5mm

# 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	<b>105RSS050M</b>	165.786	10	4x7
2.2	50	<b>225RSS050M</b>	75.358	20	4x7
3.3	50	<b>335RSS050M</b>	50.238	25	4x7
4.7	35	<b>475RSS035M</b>	42.328	25	4x7
4.7	50	<b>475RSS050M</b>	35.274	30	5x7
10	16	<b>106RSS016M</b>	28.184	40	4x7
10	35	<b>106RSS035M</b>	19.894	45	5x7
10	50	<b>106RSS050M</b>	16.579	50	6.3x7
22	16	<b>226RSS016M</b>	12.811	45	5x7
22	35	<b>226RSS035M</b>	9.043	70	6.3x7
33	10	<b>336RSS010M</b>	10.0477	50	5x7
33	25	<b>336RSS025M</b>	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	<b>476RSS6R3M</b>	8.818	80	5x7
47	16	<b>476RSS016M</b>	5.997	80	6.3x7
100	6.3	<b>107RSS6R3M</b>	4.145	90	6.3x7
100	25	<b>107RSS025M</b>	2.487	135	8x9
100	35	<b>107RSS035M</b>	1.989	160	10x9
220	10	<b>227RSS010M</b>	1.507	165	8x9
220	16	<b>227RSS016M</b>	1.281	202	10x9
470	6.3	<b>477RSS6R3M</b>	0.882	238	10x9
470	35	<b>477RSS035M</b>	0.423	524	10x12.5
1000	16	<b>108RSS016M</b>	0.282	655	12.5x15
1000	35	<b>108RSS035M</b>	0.199	1000	16x15
2200	16	<b>228RSS016M</b>	0.1583	940	16x15