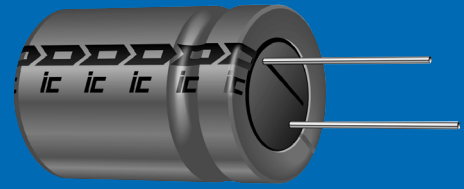


# PLM

## +85°C 7mm Height Low-Leakage Radial Lead Aluminum Electrolytic Capacitors



*For all timing applications*

### FEATURES

- Very small size
- Capacitance range: 0.1  $\mu$ F to 100  $\mu$ 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		-40°C to +85°C												
Dissipation Factor 120Hz, 20°C	WVDC	6.3	10	16	25	35	50							
	$\tan \delta$	.24	.20	.16	.14	.12	.10							
Impedance Ratio (Max.) @120Hz	WVDC	6.3	10	16	25	35	50							
	-25/20°C	4	3	2	2	2	2							
	-40/20°C	10	8	6	4	3	3							
Leakage Current	WVDC	$\leq 50$ WVDC												
	Time	2 minutes												
		.002CV or .4 $\mu$ A whichever is greater												
Load Life	1,000 hours at 85°C with rated WVDC													
	Capacitance change Dissipation factor Leakage current	< 20% of initial measured values <200% of initial specified value <Initial specified value												
Shelf Life	1,000 hours at 85°C with no voltage applied. Units will meet load life specifications.													
Ripple Current Multipliers	Frequency (Hz)						Temperature (°C)							
	50	120	400	1K	10K	100K	+85	+70	+60	+45				
	0.8	1.0	1.3	1.36	1.48	1.53	1.0	1.3	1.5	1.8				

### 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



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## STANDARD PART LISTING

Capacitance (μF)	WVDC	IC PART NUMBER	Maximum ESR Ω 120Hz, +20°C	Maximum RMS Ripple Current (mA) 120Hz, +85°C	Dimensions DxL (mm)
0.1	50	104PLM050M	1657.86	1	4x7
0.22	50	224PLM050M	753.57	2	4x7
0.33	50	334PLM050M	502.38	3	4x7
0.47	50	474PLM050M	352.74	5	4x7
1.0	50	105PLM050M	165.79	10	4x7
2.2	50	225PLM050M	75.357	17	4x7
3.3	50	335PLM050M	50.238	20	4x7
4.7	35	475PLM035M	42.328	22	4x7
4.7	50	475PLM050M	35.274	27	5x7
10	16	106PLM016M	26.526	27	4x7

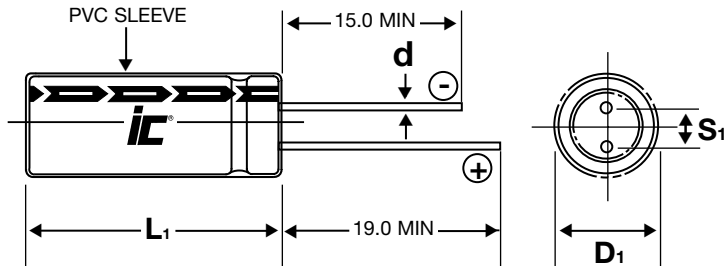
Capacitance (μF)	WVDC	IC PART NUMBER	Maximum ESR Ω 120Hz, +20°C	Maximum RMS Ripple Current (mA) 120Hz, +85°C	Dimensions DxL (mm)
10	35	106PLM035M	19.894	34	5x7
10	50	106PLM050M	16.579	41	6.3x7
22	6.3	226PLM6R3M	18.086	31	4x7
22	16	226PLM016M	12.057	43	5x7
22	35	226PLM035M	9.043	56	6.3x7
33	10	336PLM010M	10.048	48	5x7
33	25	336PLM025M	7.033	62	6.3x7
47	6.3	476PLM6R3M	8.466	52	5x7
47	16	476PLM016M	5.644	69	6.3x7
100	6.3	107PLM6R3M	3.979	82	6.3x7

## PHYSICAL DIMENSIONS

WVDC (V) (μF)	6.3 (8)	10 (13)	16 (20)	25 (32)	35 (44)	50 (63)
0.1						4x7
.22						4x7
.33						4x7
.47						4x7
1.0						4x7
2.2						4x7
3.3						4x7
4.7						4x7
10			4x7		4x7	5x7
22	4x7		5x7		6.3x7	6.3x7
33		5x7		6.3x7		
47	5x7		6.3x7			
100	6.3x7					

Convert to inches, divide by 25.4

DxL(mm)



### LEAD INFORMATION VS. CASE DIAMETER

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

L<sub>1</sub> = L + 1mm Max.  
S<sub>1</sub> = S ± 0.5 mm Max.  
D<sub>1</sub> = D + 0.5 mm Max.