

PBM

+85°C Non-Polar 7mm Height Radial Lead Aluminum Electrolytic Capacitors



For all applications with unknown/reversing polarity

FEATURES

- *Very small size*
- *Audio coupling crossover network*
- *Voltage range: 6.3 WVDC to 50 WVDC*
- *Capacitance range: .47 μ F to 100 μ F*
- *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 δ	.24	.20	.16	.16	.14	.12							
Impedance Ratio (Max.) @120Hz	WVDC	6.3	10	16	25	35	50							
	-25/ 20°C	4	3	2	2	2	2							
	-40/ 20°C	8	6	4	4	3	3							
Leakage Current	WVDC	≤ 50 WVDC												
	Time	2 minutes												
		.05 CV or 10 μ A whichever is greater												
Load Life	1,000 hours at 85°C with rated WVDC reversing polarity every 250 hours													
	Capacitance change Dissipation factor Leakage current					< 20% of initial measured value <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				
	.75	1.0	1.19	1.36	1.53	1.57	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)
0.47	50	474PBM050M	423.384	5	4x7
0.68	50	684PBM050M	292.564	6	4x7
1	50	105PBM050M	198.944	8	4x7
1.5	50	155PBM050M	132.629	10	4x7
2.2	50	225PBM050M	90.429	13	4x7
3.3	50	335PBM050M	60.286	18	4x7
4.7	35	475PBM035M	49.383	20	4x7
4.7	50	475PBM050M	42.328	25	5x7
6.8	16	685PBM016M	39.009	15	4x7
6.8	35	685PBM035M	34.132	22	5x7
6.8	50	685PBM050M	29.256	29	6.3x7
10	16	106PBM016M	26.526	27	4x7
10	35	106PBM035M	23.210	33	5x7
10	50	106PBM050M	19.894	44	8x7

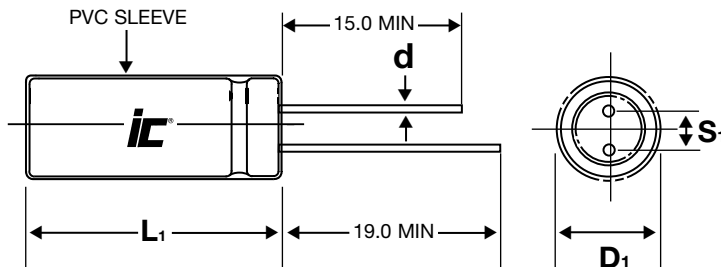
Capacitance (μF)	WVDC	IC PART NUMBER	Maximum ESR Ω 120Hz, +20°C	Maximum RMS Ripple Current (mA) 120Hz, +85°C	Dimensions DxL (mm)
15	16	156PBM016M	17.684	29	5x7
15	35	156PBM035M	15.473	40	6.3x7
22	16	226PBM016M	12.057	47	5x7
22	25	226PBM025M	12.057	51	6.3x7
22	50	226PBM050M	9.043	65	8x7
33	10	336PBM010M	10.048	50	5x7
33	16	336PBM016M	8.038	60	6.3x7
33	35	336PBM035M	7.033	80	8x7
47	10	476PBM010M	7.055	64	6.3x7
47	25	476PBM025M	5.644	85	8x7
68	6.3	686PBM6R3M	5.851	40	6.3x7
100	6.3	107PBM6R3M	3.979	50	6.3x7
100	16	107PBM016M	2.653	120	8x7

PHYSICAL DIMENSIONS

WVDC (V) (μF)	6.3 (8)	10 (13)	16 (20)	25 (32)	35 (44)	50 (63)
.47						4x7
.68						4x7
1.0						4x7
1.5						4x7
2.2						4x7
3.3						4x7
4.7					4x7	5x7
6.8			4x7		5x7	6.3x7
10.0			4x7		5x7	8x7
15.0			5x7		6.3x7	
22.0			5x7	6.3x7		8x7
33.0		5x7	6.3x7		8x7	
47.0		6.3x7		8x7		
68.0	6.3x7					
100	6.3x7		8x7			

Convert to inches, divide by 25.4

DxL(mm)



LEAD INFORMATION VS. CASE DIAMETER

D	4	5	6.3	8
S	1.5	2.0	2.5	3.5
d	.45	.45	.45	.50

L₁ = L+1mm Max.
S = S±.5mm
D₁ = D+.5mm Max.