

PBM

+85°C non-polar Low Profile, 7mm Height Aluminum Electrolytic Capacitors



Features

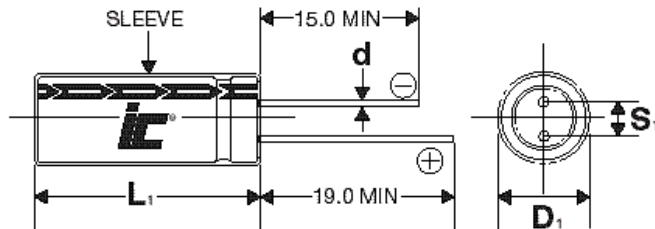
- Non-polar
- Low heights
- Lead Free Leads

Applications

- Audio coupling
- Crossover networks

Specifications

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	.24	.2	.16	.16	.14	.12				
Leakage current		2 Minutes									
		.05CV or 10uA, Whichever is greater									
Low temperature stability Impedance ratio (120 Hz)	Rated WVDC	6.3	10	16	25	35	50				
	-25°C to +20°C	4	3	2	2	2	2				
	-40°C to +20°C	8	6	4	4	3	3				
Load Life		1000 hours at 85°C with rated WVDC with reversing polarity every 250hours									
		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	60	30
		0.8	1.0	1.3	1.45	1.65	1.7	1.0	1.3	1.5	1.8



D+0.5	4	5	6.3	8
S	1.5	2	2.5	3.5
D	.45	.45	.45	.5

L₁=L+1mm
S₁=S±0.5mm



PBM

+85°C, 7mm Height Bi-Polar
1000 hour

Capacitance (µF)	WVDC	IC PART NUMBER	Maximum ESR (mΩ) 120 Hz, +20°C	Maximum RMS Ripple Current (A) 120 Hz, +105°C	Dims DxL (mm)
0.47	50	474PBM050M	423.284	5	4x7
0.68	50	684PBM050M	292.564	6	4x7
1	50	105PBM050M	198.944	9	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	39.01	15	4x7
6.8	35	685PBM035M	34.133	22	5x7
6.8	50	685PBM050M	29.256	29	6.3x7
10	16	106PBM016M	26.526	27	4x7
10	35	106PBM035M	23.21	33	5x7
10	50	106PBM050M	1.989	44	8x7

Capacitance (µF)	WVDC	IC PART NUMBER	Maximum ESR (mΩ) 120 Hz, +20°C	Maximum RMS Ripple Current (A) 120 Hz, +105°C	Dims 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	10.0477	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