

BAM

+85°C Radial Lead Bi-Polar Aluminum Electrolytic Capacitors



For speaker networks applications

FEATURES

- Excellent Frequency Stability
- Excellent Temperature Stability
- Capacitance Range: .47 μ F to 100 μ F
- Voltage Range: 50 WVDC

SPECIFICATIONS

Capacitance Tolerance		±20% at 1kHz, 20°C						
Operating Temperature Range		-40°C to +85°C						
Dissipation Factor 1kHz, 20°C	Code	D	P	S				
	tan δ	.08	.06	.05				
Leakage Current	WVDC	< 50 WVDC						
	Time	5 minutes						
		.03 CV or 3μA whichever is greater						
Load Life		1,000 hours at +85°C, with rated WVDC reversing polarity every 250 hours Capacitance will meet the requirements listed below.						
		Capacitance change Dissipation factor Leakage current		< 20% of initial measured value < 200% of initial specified value < 100% initial specified value				
Shelf Life		1,000 hours at +85°C with no voltage applied. Units will meet load life specifications						

SPECIAL ORDER OPTIONS

(See pages 37 thru 41)

- Special tolerances: $\pm 10\%$ (K), -10% + 30% (Q)
- Tape and Reel/Ammo-Pack
- Cut, Formed, Cut and Formed, and Snap In Leads



ILLINOIS CAPACITOR, INC. 3757 W. Touhy Ave., Lincolnwood, IL 60712 • (847) 675-1760 • Fax (847) 673-2850 • www.illcap.com

BAM

+85°C Radial Lead
Bi-Polar Aluminum
Electrolytic Capacitors

STANDARD PART LISTING

Capacitance (μ F)	WVDC	IC PART NUMBER	Maximum ESR Ω 120Hz, +25°C	Maximum RMS Ripple Current (mA) 120Hz, +85°C	Dimensions DxL (mm)
0.47	50	474BAM050MD	282.190	50	6.3x11
0.47	50	474BAM050MP	211.642	65	8x11.5
0.47	50	474BAM050MS	176.369	90	10x16
0.68	50	684BAM050MD	195.043	60	6.3x11
0.68	50	684BAM050MP	146.282	80	8x11.5
0.68	50	684BAM050MS	121.902	100	10x16
1	50	105BAM050MD	132.629	70	6.3x11
1	50	105BAM050MP	99.472	95	8x11.5
1	50	105BAM050MS	82.893	140	10x20
1.5	50	155BAM050MD	88.419	85	6.3x11
1.5	50	155BAM050MP	66.315	115	8x11.5
1.5	50	155BAM050MS	55.262	190	12.5x20
2.2	50	225BAM050MD	60.286	120	8x11.5
2.2	50	225BAM050MP	45.214	150	10x12.5
2.2	50	225BAM050MS	37.679	230	12.5x20
3.3	50	335BAM050MD	40.191	150	8x11.5
3.3	50	335BAM050MP	30.143	200	10x16
3.3	50	335BAM050MS	25.119	330	16x25
4.7	50	475BAM050MD	28.219	190	10x12.5

Capacitance (μ F)	WVDC	IC PART NUMBER	Maximum ESR Ω 120Hz, +25°C	Maximum RMS Ripple Current (mA) 120Hz, +85°C	Dimensions DxL (mm)
4.7	50	475BAM050MP	21.164	260	10x20
4.7	50	475BAM050MS	17.637	400	16x25
6.8	50	685BAM050MD	20.404	250	10x16
6.8	50	685BAM050MP	14.628	340	12.5x20
6.8	50	685BAM050MS	12.190	520	16x31.5
10	50	106BAM050MD	13.263	300	10x16
10	50	106BAM050MP	9.947	450	12.5x25
10	50	106BAM050MS	8.289	670	18x35.5
15	50	156BAM050MD	8.842	370	10x16
15	50	156BAM050MP	6.631	550	12.5x25
22	50	226BAM050MD	6.029	580	12.5x25
22	50	226BAM050MP	4.521	750	16x25
33	50	336BAM050MD	4.019	710	12.5x25
33	50	336BAM050MP	3.014	990	16x31.5
47	50	476BAM050MD	2.822	1020	16x31.5
47	50	476BAM050MP	2.116	1240	18x35.5
68	50	686BAM050MD	1.950	1300	18x35.5
68	50	686BAM050MP	1.463	1560	18x40
100	50	107BAM050MD	1.326	1630	18x40

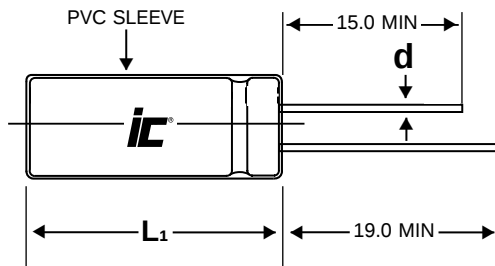
Aluminum Electrolytic

PHYSICAL DIMENSIONS

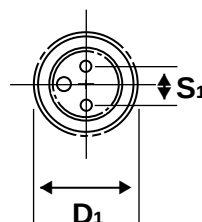
WVDC Code μ F	50 D	50 P	50 S
0.47	6.3x11	8x11.5	10x16
0.68	6.3x11	8x11.5	10x16
1	6.3x11	8x11.5	10x20
1.5	6.3x11	8x11.5	12.5x20
2.2	8x11.5	10x12.5	12.5x20
3.3	8x11.5	10x16	16x25
4.7	10x12.5	10x20	16x25
6.5	10x16	12.5x20	16x31.5
10	10x16	12.5x25	18x35.5
15	10x16	12.5x25	
22	12.5x25	16x25	
33	12.5x25	16x31.5	
47	16x31.5	18x35.5	
68	18x35.5	18x40	
100	18x40		

Convert to inches, divide by 25.4

DxL(mm)



NOTE: Case Vent is standard on all diameter ≥ 8.0 mm



D	6.3	8.0	10.0	12.5	16.0	18.0
S	2.5	3.5	5.0	5.0	7.5	7.5
d	0.5	0.6	0.6	0.6	0.8	0.8
B	0.5	0.5	0.5	0.8	0.5	0.5

L₁=L+2.0 mm Max.

D₁=D+B Max.

S₁=S $\pm$ 0.5 mm Max.