

Aluminum Electrolytic Capacitors

LB Series – Long Life for Ballast 105°C 3000-5000Hrs



Specifications

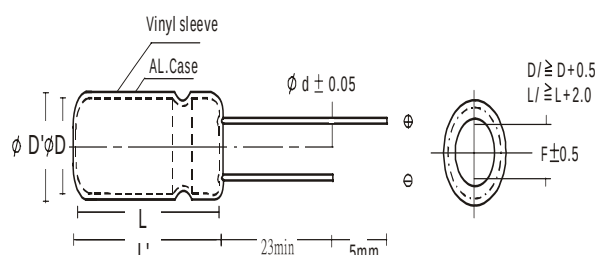
Item	Performance																					
Operating Temperature Range	-25 to+105℃																					
Rated Working Voltage Range	160 – 450VDC																					
Nominal Capacitance Range	0.47 - 220μ F																					
Capacitance Tolerance	± 20% (at+20℃ ,120Hz)																					
Leakage Current	$I \leq 0.03CV + 40(\mu A)$, after 5 minutes of rated voltage																					
Dissipation Factor (tanδ) (120Hz\+25℃)	<table><tr><td>Working Vol.</td><td>160</td><td>200</td><td>250</td><td>350</td><td>400</td><td>450</td></tr><tr><td>Tan δ max</td><td>0.15</td><td>0.12</td><td>0.10</td><td>0.15</td><td>0.15</td><td>0.15</td></tr></table>	Working Vol.	160	200	250	350	400	450	Tan δ max	0.15	0.12	0.10	0.15	0.15	0.15							
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Characteristics at Low Temperature (stability at 120 Hz)	<table><tr><td>Working Vol VDC</td><td>160</td><td>200</td><td>250</td><td>350</td><td>400</td><td>450</td></tr><tr><td>-25℃/+25℃</td><td>4</td><td>4</td><td>4</td><td>8</td><td>8</td><td>15</td></tr><tr><td>-40℃/+25℃</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td></tr></table>	Working Vol VDC	160	200	250	350	400	450	-25℃/+25℃	4	4	4	8	8	15	-40℃/+25℃	-	-	-	-	-	-
Working Vol VDC	160	200	250	350	400	450																
-25℃/+25℃	4	4	4	8	8	15																
-40℃/+25℃	-	-	-	-	-	-																
Load life	After 2000hrs. application of DC rated working voltage at +105℃ , The capacitor shall meet the following limits: <table><tr><td>Leakage current</td><td>$\leq$ the initial specified value</td></tr><tr><td>Capacitance change</td><td>$\leq$ ±25% of initial measured value</td></tr><tr><td>Dissipation Factor(tanδ)</td><td>$\leq$ 200% of initial specified value</td></tr><tr><td>Life time</td><td>For $D \leq 8$: 3000hrs, For $D \geq 10$: 5000hrs</td></tr></table>	Leakage current	$\leq$ the initial specified value	Capacitance change	$\leq$ ±25% of initial measured value	Dissipation Factor(tanδ)	$\leq$ 200% of initial specified value	Life time	For $D \leq 8$: 3000hrs, For $D \geq 10$: 5000hrs													
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Life time	For $D \leq 8$: 3000hrs, For $D \geq 10$: 5000hrs																					
Shelf Life	After storage for 1000hrs. at +105℃ with no voltage applied, pre-treatments shall be conducted after application of DC rated voltage for 60 minutes, the capacitor shall meet the limits same as Load Life.																					

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CINETECH
SYMBOL OF QUALITY

Diagram of Dimensions



D	6.3	8	10	13	16	18
F	2.5	3.5	5.0		7.5	
d	0.5		0.6		0.8	

Case Size

Max ripple current: mA rms at 105°C. 120Hz (DxL mm)

W.V	160		200		250		350		400		450	
μ F	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
0.47	6.3x11	13	6.3x11	13	6.3x11	13	8x11	20	8x11	20	10x13	18
1	6.3x11	19	6.3x11	19	6.3x11	19	8x11	24	8x11	24	10x13	35
2.2	6.3x11	32	6.3x11	32	8x11	37	10x13	40	10x13	40	10x21	40
3.3	8x11	40	8x11	40	8x11	50	10x13	46	10x16	60	10x21	44
4.7	8x11	47	8x11	47	10x13	58	10x16	65	10x21	76	13x21	64
6.8	8x14	62	10x13	60	10x13	60	10x21	88	10x21	80	13x21	70
10	10x13	75	10x13	75	10x16	90	10x21	97	13x21	98	13x26	74
15	10x16	100	10x16	100	10x16	100	13x21	104	13x26	115	16x21	87
22	10x21	140	10x21	140	10x21	140	13x26	157	13x26	150	16x26	100
33	10x21	149	10x21	149	13x21	160	13x26	164	16x21	160	16x32	125
47	13x21	180	13x21	180	13x26	220	16x26	216	16x26	200	18x26	150
68	13x26	240	13x26	240	16x26	300	16x32	264	16x36	252	18x32	180
100	16x26	340	16x26	340	16x32	380						
220	16x32	410	18x32	520								