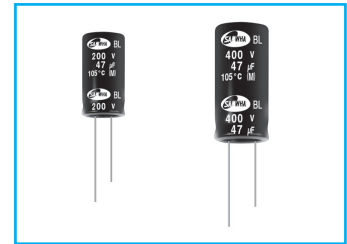


MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS

Upgrade

BL For PSU, High Ripple Current, Long Life Series

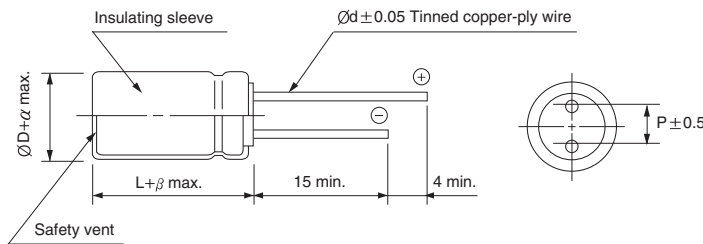
- High ripple current
- Operating temperature range of -25 ~ +105°C
- For power supply and adapter
- Complied to the RoHS directive



Item	Characteristics									
Operating temperature range	-25 ~ +105°C									
Leakage current max.	$I = 0.02CV + 25\mu A$ (after 5 minutes)									
Capacitance tolerance	$\pm 20\%$ at 120Hz, 20°C									
Dissipation factor max. (at 120Hz, 20°C)	WV	160	200	250	350	400	420	450	500	
	tan δ	0.15	0.15	0.15	0.20	0.20	0.20	0.20	0.24	
Low temperature characteristics (Impedance ratio at 120Hz)	WV	160	200	250	350	400	420	450	500	
	Z-25°C/Z+20°C	3	3	3	4	6	6	6	6	
Load life	After an application of DC bias voltage plus the rated AC ripple current for 10000 hours at 105°C. The measurement shall meet the following limits. The DC voltage plus the peak AC voltage combined must not exceed the rated voltage.									
	Leakage current	Less than specified value								
	Capacitance change	Within $\pm 20\%$ of initial value								
	tan δ	Less than 200% of specified value								
Shelf life (at 105°C)	After 1000 hours no load test, leakage current, capacitance and tan δ are same as load life value. The measurement shall be performed at 20°C by the KS C IEC 60384 - 4									

● DRAWING

Unit : mm



ØD	8	10	12.5	16	18	20
P	3.5	5.0	5.0	7.5	7.5	10.0
Ød	0.6	0.6	0.6	0.8	0.8	0.8
β	1.5	2.0			3.0	
α	0.5			1.0		

● FREQUENCY COEFFICIENT OF PERMISSIBLE RIPPLE CURRENT

Frequency	60Hz	120Hz	1kHz	10kHz	50kHz	100kHz ≤
Coefficient	0.35	0.50	0.80	0.90	0.95	1.00

BL series

● DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

μF \diagdown WV	160		200		250		350	
4.7					8 × 11.5	175		
6.8					8 × 11.5	200	10 × 16	240
					10 × 12.5	210		
10	10 × 16	275	10 × 16	275	8 × 15	265	8 × 20	385
					10 × 20	310	10 × 20	310
22	10 × 20	550	10 × 20	550	12.5 × 20	660	12.5 × 20	385
33	10 × 20	550	12.5 × 20	660	12.5 × 20	660	16 × 20	550
47	12.5 × 20	725	12.5 × 20	725	12.5 × 25	790	16 × 25	725
68	12.5 × 25	835	12.5 × 25	835	16 × 25	1010	18 × 25	925
			10 × 30	1045				
82	12.5 × 25	915	16 × 25	1050	12.5 × 30	1050	18 × 31.5	990
					16 × 25	1110		
100	16 × 25	1230	18 × 25	1230	18 × 25	1320		
150	18 × 25	1495	18 × 25	1495				

μF \diagdown WV	400		420		450		500	
1	8 × 11.5	65			8 × 11.5	90		
2.2	8 × 11.5	90			8 × 11.5	105		
3.3	8 × 11.5	145			8 × 11.5	145		
3.9	8 × 11.5	155			8 × 15	165		
4.7	8 × 15	160			8 × 20	220		
	10 × 12.5	210			10 × 16	220		
6.8	8 × 20	210			10 × 16	240		
	10 × 16	240						
10	10 × 20	310	10 × 20	330	12.5 × 20	350	12.5 × 25	350
15					10 × 20	350		
22	12.5 × 25	475	12.5 × 25	475	12.5 × 20	440	16 × 25	615
			16 × 20	475	12.5 × 25	440	16 × 31.5	745
					16 × 25	615		
33	16 × 25	705	16 × 25	750	18 × 25	770	18 × 35.5	790
47	18 × 25	925	18 × 31.5	925	18 × 31.5	970	18 × 40	1100
68	18 × 31.5	955	18 × 25	990	18 × 25	1100	18 × 35.5	1100
			18 × 31.5	1025	18 × 31.5	1100	18 × 40	1165
82	18 × 35.5	1045	18 × 31.5	1100	18 × 35.5	1155	16 × 50	1210
100	18 × 40	1100	18 × 35.5	1155	18 × 35.5	1210		
			18 × 40	1210	18 × 40	1265		
120					18 × 40	1320		
150					20 × 41	1430		

WV
 Ripple current (mA rms) at 105°C, 100kHz
 Case size $\varnothing D \times L$ (mm)