MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS

Upgrade

LB

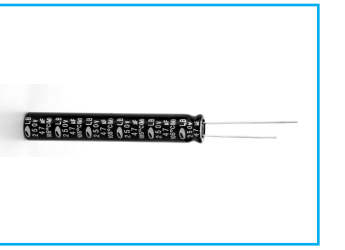
For Slim PSU, 10,000 hours at 105˚C Series

Long Life

- High reliability withstanding 10,000 hours load life at 105˚C (WV › 350V : reliability withstanding 5,000 hours load life at 105˚C)
- Suitable for slim application
- Complied to the RoHS directive

LU ⇨ LB

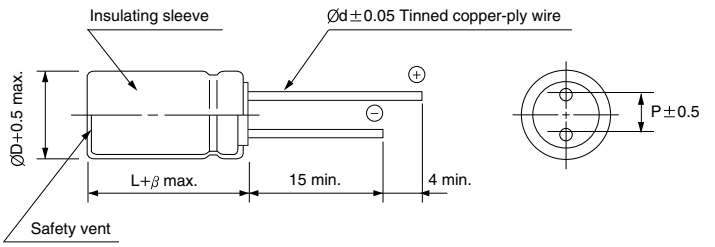
Long Life



Item	Characteristics
Operating temperature range	-40 ~ +105˚C(250V), -25 ~ +105˚C(350~)
Leakage current max.	I = 0.02CV +15μA (after 5 minutes)
Capacitance tolerance	±20% at 120Hz, 20˚C
Dissipation factor max. (at 120Hz, 20˚C)	Rated Voltage(V) 250 350 450 tanδ 0.15 0.20 0.20
Low temperature characteristics (Impedance ratio at 120Hz)	WV 250 350 450 Z-25˚C/Z+20˚C 3 8 8 Z-40˚C/Z+20˚C 4 - -
Load life (after application of the rated voltage for 10,000 hours at 105˚C)	Leakage current: Less than specified value Capacitance change: Within ±20% of initial value tanδ: Less than 200% of specified value Life time: ØD = 8: 5000 hours; ØD ≥ 10: 10000 hours WV = 250: 5000 hours; 10000 hours WV ≥ 350: 5000 hours
Shelf life (at 105˚C)	After 1000 hours no load test, leakage current, capacitance and tanδ are same as load life value.

DRAWING

Unit : mm



ØD	8	10	12.5
P	3.5	5.0	5.0
Ød	0.6	0.6	0.6
β	1.5	2.0	

DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

μF \ WV	250		350		450	
16			8 × 40	145	8 × 40	165
21	8 × 40	150	8 × 45	180	8 × 50	210
39	8 × 45	215	10 × 40	305	10 × 50	375
47	8 × 50	250	10 × 45	350	10 × 50	410
56	10 × 40	395	10 × 50	405	12.5 × 40	520
68	10 × 40	435	12.5 × 40	495	12.5 × 50	635
82	10 × 45	505	12.5 × 45	570	12.5 × 50	700
100	10 × 50	585	12.5 × 50	660	12.5 × 60	720
150	12.5 × 50	765				

Ripple current (mA rms) at 105˚C, 120Hz
Case size ØD×L (mm)

FREQUENCY COEFFICIENT OF PERMISSIBLE RIPPLE CURRENT

Frequency(Hz)	60	120	300	1k	10k	100k≦
Coefficient	0.75	1.00	1.25	1.35	1.50	1.50