

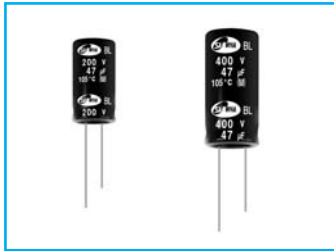
MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS



For Ballast, 8000 ~ 10000 hours Series



Solvent Proof
WV ≤ 200V



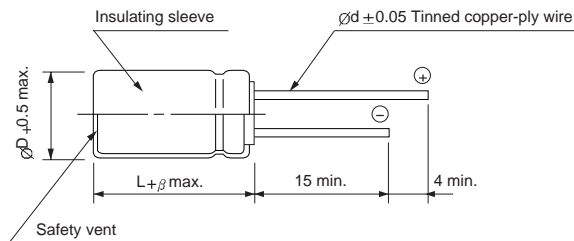
- High ripple current
- Operating temperature range of -25 ~ 105°C
- For ballast and adapter, power supply



Item	Characteristics						
Operating temperature range	-25 ~ +105°C						
Rated voltage range	160 ~ 450 V.DC						
Leakage current max.	I = 0.03CV + 15 μ A (CV ≤ 1000) I = 0.02CV + 25 μ A (after 5 minutes)						
Capacitance tolerance	±20% at 120Hz, 20°C						
Dissipation factor max. (at 120Hz, 20°C)	WV	160	200	250	350	400	450
	tan δ	0.15	0.15	0.15	0.20	0.20	0.20
Low temperature characteristics (Impedance ratio at 120Hz)	WV	160	200	250	350	400	450
	Z-25°C/Z+20°C	3	3	3	4	6	6
Load life	After an application of DC bias voltage plus the rated AC ripple current for 10000 hours at 105°C (∅10 : 8000 hours). The measurement shall meet the following limits.						
	Leakage current	Less than specified value					
	Capacitance change	Within ±20% of initial 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 after exposure for 24 hours at room temperature after application of DC rated voltage to the capacitors for 30 minutes.						
	tan δ	Less than 200% of specified value					

● DRAWING

Unit : mm



∅D	10	12.5	16	18
P	5.0	5.0	7.5	7.5
∅d	0.6	0.6	0.8	0.8
β	2.0			

● DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

WV	160V		200V		250V		350V		400V		450V	
6.8							10 × 16	220	10 × 16	220	10 × 16	150
10	10 × 16	250	10 × 16	250	10 × 20	280	10 × 20	280	10 × 20	280	12.5 × 20	320
22	10 × 20	500	10 × 20	500	12.5 × 20	600	12.5 × 20	350	12.5 × 25	430	16 × 25	560
33	10 × 20	500	12.5 × 20	600	12.5 × 20	600	16 × 20	500	16 × 25	640	18 × 25	700
47	12.5 × 20	660	12.5 × 20	660	12.5 × 25	720	16 × 25	660	18 × 25	840	18 × 31.5	880
68	12.5 × 25	760	12.5 × 25	760	16 × 25	920	18 × 25	840				
100	16 × 25	1120	16 × 25	1120	18 × 25	1200						
150	18 × 25	1360	18 × 25	1360								

Ripple current (mA rms) at 105°C, 100kHz
Case size ∅D × L (mm)

● FREQUENCY COEFFICIENT OF PERMISSIBLE RIPPLE CURRENT

Frequency(Hz)	60	120	300	1k	10k ~ 50k	100k
Coefficient	0.4	0.5	0.6	0.8	0.9	1.0