

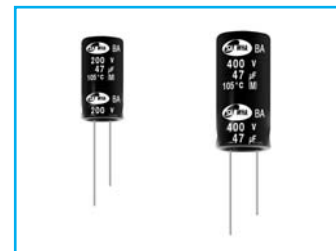
MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS

NEW

BA

For Ballast, Smaller Case Size Series

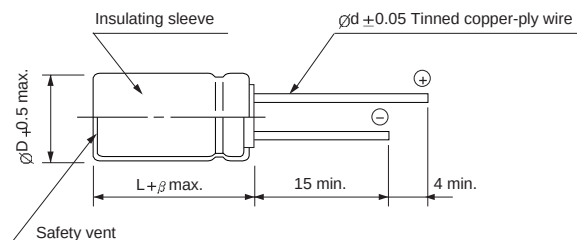
- 105°C 2000 hours
- Smaller case size for energy saving lamp & ballast



Item	Characteristics						
Operating temperature range	-40 ~ +105 °C (160~250V), -25 ~ +105°C (350~450V)						
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	0.10	0.10	0.10	0.15	0.15	0.15
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
	Z-40°C/Z+20°C	4	4	4	-	-	-
Load life	After an application of DC bias voltage plus the rated AC ripple current for 2000 hours at 105°C. The measurement shall meet the following limits.						
	Leakage current			Less than specified value			
	Capacitance change			Within ±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 after exposure for 24 hours at room temperature after application of DC rated voltage to the capacitors for 30 minutes.						

DRAWING

Unit : mm



øD	8	10	12.5	16	18
P	3.5	5.0	5.0	7.5	7.5
ød	0.6	0.6	0.6	0.8	0.8
β	1.0	2.0			

DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

WV	160V		200V		250V		350V		400V		450V	
μF												
1.0									8 × 11.5	27	10 × 12.5	27
2.2							10 × 12.5	37	10 × 12.5	43	10 × 12.5	33
3.3					10 × 12.5	44	10 × 12.5	53	10 × 16	58	10 × 16	51
4.7			8 × 11.5	53	10 × 12.5	53	10 × 16	64	10 × 16	66	10 × 20	66
10	10 × 12.5	77	10 × 12.5	86	10 × 16	88	10 × 20	110	10 × 20	125	12.5 × 20	101
22	10 × 16	140	10 × 16	140	10 × 20	168	12.5 × 20	175	12.5 × 25	196	16 × 25	168
33	10 × 20	206	10 × 20	206	12.5 × 20	223	16 × 20	240	16 × 25	260	18 × 25	228
47	10 × 20	266	12.5 × 20	266	12.5 × 25	297	16 × 25	311	18 × 25	317		
100	12.5 × 25	420	16 × 25	460	18 × 25	470	Ripple current (mA rms) at 105°C, 120Hz					
220	18 × 25	500										
							Case size øD × L (mm)					

FREQUENCY COEFFICIENT OF PERMISSIBLE RIPPLE CURRENT

Frequency(Hz)	60	120	300	1k	10k ~ 50k	100k
μF						
~ 47	0.75	1.0	1.35	1.55	2.0	2.0
68 ~	0.80	1.0	1.25	1.34	1.5	1.5