

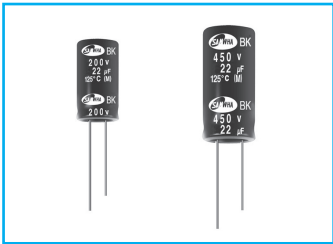
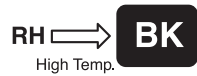
MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS

Upgrade

BK

For PSU, High Temperature Series

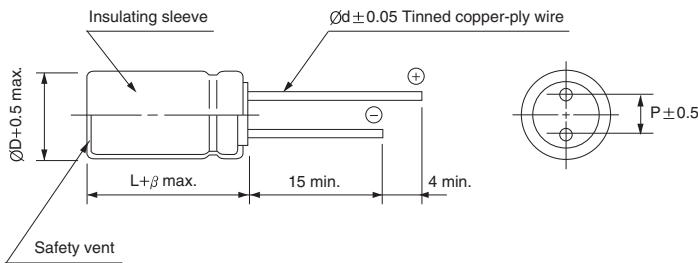
- High reliability withstanding 5000 hours load life at 125°C
- Suitable for compact energy saving lamp
- Complied to the RoHS directive



Item	Characteristics						
Operating temperature range	-25 ~ +125°C						
Leakage current max.	I = 0.03CV+15μA (CV ≤ 1000), I = 0.02CV+25μA (CV > 1000) (after 5 minutes)						
Capacitance tolerance	±20% at 120Hz, 20°C						
Dissipation factor max. (at 120Hz, 20°C)	Rated Voltage(V)	160	200	250	350	400	450
	tanδ	0.15	0.15	0.15	0.20	0.24	0.24
Low temperature characteristics (Impedance ratio at 120Hz)	WV	160	200	250	350	400	450
	Z-25°C/Z+20°C	3	3	3	6	6	6
Load life	After an application of DC bias voltage plus the rated AC ripple current for 5000 hours at 125°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 ±20% of initial value				
	tanδ		Less than 200% of specified value				
	450WV products are for 2000 hours.						
Shelf life (at 125°C)	After 1000 hours no load test, leakage current, capacitance and tanδ 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	10	12.5	16
P	5.0	5.0	7.5
Ød	0.6	0.6	0.8
β	2.0		

DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

WV μF	160		200		250		350		400		450		
2.2							10 × 12.5	135	10 × 12.5	135			
3.3					10 × 12.5	135	10 × 16	180	10 × 16	150			
4.7	10 × 12.5	135	10 × 12.5	150	10 × 12.5	150	10 × 16	195	10 × 20	255	10 × 25	156	
					10 × 16	180	10 × 20	255					
10	10 × 12.5	165	10 × 12.5	195	10 × 16	210	12.5 × 20	375	12.5 × 20	375	12.5 × 20	232	
	10 × 16	210	10 × 16	240	10 × 20	255							
22	10 × 20	420	10 × 20	420	12.5 × 20	450	← Ripple current (mA rms) at 125°C, 100kHz Case size ØD×L (mm)					16 × 25	415
33	12.5 × 20	600	12.5 × 20	600	12.5 × 25	675						16 × 31.5	548
47	12.5 × 25	780	12.5 × 25	780									

FREQUENCY COEFFICIENT OF PERMISSIBLE RIPPLE CURRENT

Frequency	60Hz	120Hz	1kHz	10kHz	50kHz	100kHz≤
Coefficient	0.30	0.40	0.70	0.90	0.95	1.00