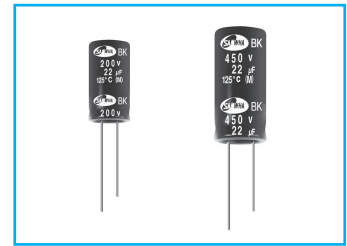


BK For PSU, High Temperature Series

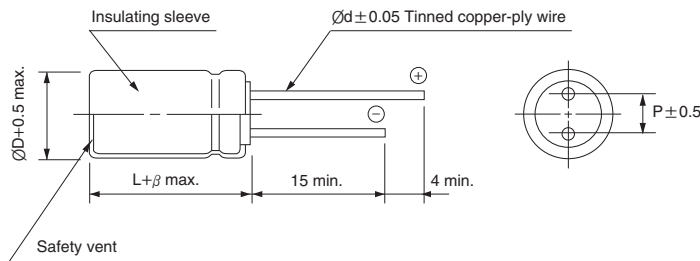
- High reliability withstanding 5000 Hours load life at 125°C
- Suitable for compact energy saving lamp
- Complied to the RoHS directive



Item	Characteristics						
Operating temperature range	-25 ~ +125°C						
Leakage current max.	$I = 0.03CV + 15\mu A$ ($CV \leq 1000$), $I = 0.02CV + 25\mu A$ ($CV > 1000$) (after 5 minutes)						
Capacitance tolerance	$\pm 20\%$ at 120Hz, 20°C						
Dissipation factor max. (at 120Hz, 20°C)	Rated Voltage(V)	160	200	250	350	400	450
	$\tan\delta$	0.15	0.15	0.15	0.20	0.24	0.24
Low temperature characteristics (Impedance ratio at 120Hz)	WV	160	200	250	350 ~ 450		
	Z-25°C/Z+20°C	3	3	3	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 $\pm 20\%$ of initial value					
	$\tan\delta$	Less than 200% of specified value					
Shelf life (at 125°C)	450WV products are for 2000 hours. After 1000 hours no load test, leakage current, capacitance and $\tan\delta$ 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

µF \ WV	160		200		250		350		400		450	
2.2							10 × 12.5	90	10 × 12.5	90		
3.3					10 × 12.5	90	10 × 16	120	10 × 16	100		
4.7	10 × 12.5	90	10 × 12.5	100	10 × 12.5	100	10 × 16	130	10 × 20	170	10 × 25	104
					10 × 16	120	10 × 20	170				
10	10 × 12.5	110	10 × 12.5	130	10 × 16	140	12.5 × 20	250	12.5 × 20	250	12.5 × 20	155
	10 × 16	140	10 × 16	160	10 × 20	170						
22	10 × 20	280	10 × 20	280	12.5 × 20	300					16 × 25	277
33	12.5 × 20	400	12.5 × 20	400	12.5 × 25	450					16 × 31.5	365
47	12.5 × 25	520	12.5 × 25	520								

← Ripple current (mA rms) at 125°C, 100kHz
 ← Case size ØD × L (mm)

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

MINIATURE TYPES