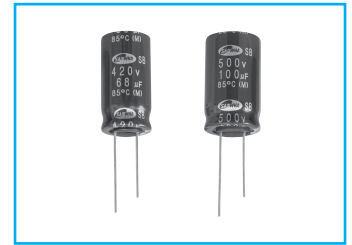


## SB High Ripple Current, Long Life Series

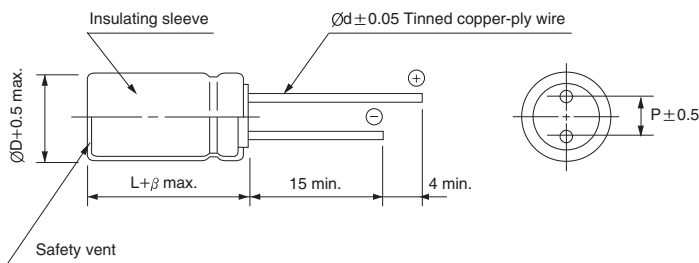


- High reliability withstanding 10000 hours load life at 85°C
- Suitable for CFL, adapter and power supply
- Complied to the RoHS directive

Item	Characteristics			
Operating temperature range	-25 ~ +85°C			
Leakage current max.	I = 0.02CV+25μA (after 5 minutes)			
Capacitance tolerance	±20% at 120Hz, 20°C			
Dissipation factor max. (at 120Hz, 20°C)	Rated Voltage(V)	420	450	500
	tanδ	0.20	0.20	0.20
Low temperature characteristics (Impedance ratio at 120Hz)	WV	420	450	500
	Z(-25°C) / Z(+20°C)	6	6	6
Load life (after application of the rated voltage for 10000 hours at 85°C)	Leakage current	Less than specified value		
	Capacitance change	Within ±20% of initial value		
	tanδ	Less than 200% of specified value		
Shelf life (at 85°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



	16	18
ØD	16	18
P	7.5	7.5
Ød	0.8	0.8
β	L ≤ 40mm	2.0
	L > 40mm	3.0

### DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

μF \ WV	420		450		500	
47					16 × 35.5	430
56					16 × 40	500
68	16 × 31.5	660	16 × 35.5	760	16 × 45	590
			18 × 31.5		18 × 40	
82	16 × 31.5	700	16 × 40	900	16 × 50	620
			18 × 31.5			
100	16 × 40	870	16 × 40	920	16 × 50	900
			18 × 35.5			
120	16 × 45	1020	16 × 50	960		
150			16 × 50	1040		

Ripple current (mA rms) at 85°C, 120Hz  
Case size ØD×L (mm)

### FREQUENCY COEFFICIENT OF PERMISSIBLE RIPPLE CURRENT

WV \ Frequency	120Hz	1kHz	10kHz	50kHz, 100kHz
420 ~ 500V	1.00	1.40	1.50	2.00