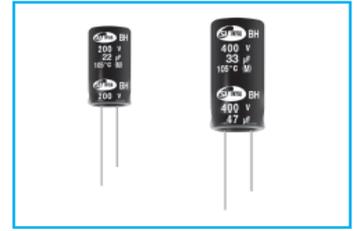
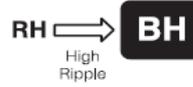


# MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS

**BH** For PSU, High Ripple Current Series



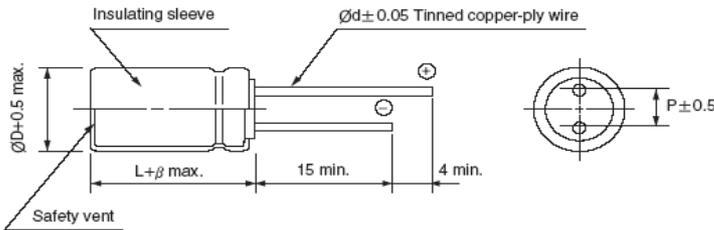
- Higher ripple current compared with RH series
- Operating temperature range of -25~105°C
- High reliability withstanding 5000 hours load life at 105°C
- Complied to the RoHS directive



Item	Characteristics				
Operating temperature range	-25 ~ +105°C				
Leakage current max.	I = 0.04CV + 100µA (after 1 minute) I = 0.02CV + 25µA (after 5 minutes)				
Capacitance tolerance	±20% at 120Hz, 20°C				
Dissipation factor max. (at 120Hz, 20°C)	WV	200	250	350	400
	tanδ	0.15	0.15	0.20	0.24
Low temperature characteristics (Impedance ratio at 120Hz)	WV	200	250	350	400
	Z-25°C/Z+20°C	3	3	6	6
Load life	After an application of DC bias voltage plus the rated AC ripple current for 5000 hours at 105°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			
Shelf life (at 105°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 6503 clause 5.1.				

## ● 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	1.5	2.0			

## ● DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

WV / µF	200		250		350		400	
2.2							10×16	160
3.3					10×16	190	10×16	180
4.7					10×16	220	10×16	220
6.8					10×16	280	10×16	280
8.2					8×20	300	8×20	400
					10×16	300	10×20	
10	10×16	320	10×16	320	8×20	300	8×23	400
					10×20	400	10×20	
22	8×20	300	8×23	350	10×30	500	12.5×25	780
					12×20	650		
	10×20	550	10×20	550	12.5×20	650		
					12.5×25	680		
33	12.5×20	700	12.5×20	800	16×25	910	16×25	920
47	12.5×20	980	12.5×25	1040	18×20	1150		
68	12.5×20	1100	16×25	1350	16×31.5	1300	Ripple current(mArms) at 150°C, 100kHz	
	12.5×25	1300						
82			12.5×30	1450			Case size φD×L (mm)	
100	16×25	1630						

## ● FREQUENCY COEFFICIENT OF PERMISSIBLE RIPPLE CURRENT

µF	Frequency	60Hz	120Hz	1kHz	10kHz	50kHz	100kHz ≤
2.2 ~ 4.7		0.30	0.40	0.60	0.80	0.90	1.00
	6.8 ~ 10	0.35	0.40	0.70	0.90	0.95	1.00
	22 ~ 100	0.40	0.50	0.80	0.90	0.95	1.00