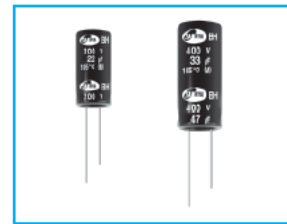


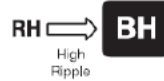
MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS



BH For PSU, High Ripple Current Series



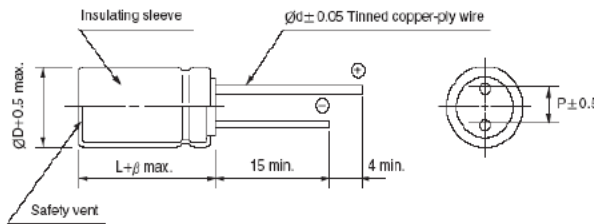
- Higher ripple current compared with RH series
- Operating temperature range of -25~105°C
- High reliability withstanding 5000 hours load life at 105°C
- Complied to the RoHS directive



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			

● DIMENSION & MAXIMUM PERMISSIBLE RIPPLE CURRENT

μF \ WV	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	350	10×20	
22	8×20	300	8×23	350	10×30	500	12.5×25	780
					12×20	650		
					10×20	550		
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				
	12.5×25	1300						
82			12.5×30	1450	Ripple current(mA rms) at 150°C, 100kHz			
100	16×25	1630			Case size ØD×L (mm)			

● FREQUENCY COEFFICIENT OF PERMISSIBLE RIPPLE CURRENT

μF \ FREQUENCY(Hz)	60	120	1k	10k	50k	100k≤
2.2 ~ 4.7	0.3	0.4	0.6	0.8	0.90	1.0
6.8 ~ 10	0.35	0.4	0.7	0.9	0.95	1.0
22 ~ 100	0.4	0.5	0.8	0.9	0.95	1.0

MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS

RH series

● DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

μF \ WV	160		200		250		350	
	1.0							10×12.5
2.2							10×12.5	90
3.3							10×12.5	100
4.7							10×16	130
6.8			10×12.5	120	10×12.5	120	10×16	200
10	10×16	250	10×16	300	10×20	300	10×20	280
22	10×16	360	10×16	360	12.5×20	600	12.5×20	350
	10×20	500	10×20	500				
33	10×20	500	10×20	500	12.5×20	600	16×20	500
			12.5×20	600				
47	12.5×20	600	12.5×20	660	12.5×25	720	16×25	660
68	12.5×25	600	12.5×25	760	16×25	920	16×31.5	800
82	16×20	760	16×20	880	16×25	1120	18×31.5	920
100	16×25	1100	16×25	1120	16×31.5	1200	18×31.5	1020
120	16×25	1180	16×31.5	1200	18×25	1200	18×35.5	1150
					18×25	1250		
150	16×31.5	1300	16×31.5	1300	18×25	1250	18×40	1250
					18×31.5	1250		
220					18×35.5	1600		

μF \ WV	400		450		500	
	1.0	10×12.5	90			
2.2	10×12.5	100	10×16	120		
	10×16	120				
3.3	10×16	140	10×16	140		
4.7	10×16	180	10×20	180		
6.8	10×16	200	10×20	200		
10	10×20	280	12.5×20	300	12.5×20	300
15	12.5×16	280				
22	12.5×25	430	16×25	550	16×25	420
33	16×25	640	16×31.5	700	16×31.5	560
47	16×31.5	750	16×31.5	700	18×35.5	700
68	16×31.5	880	18×25	900	18×35.5	900
			18×31.5	1000		
82	16×35.5	1000	18×31.5	1035	18×40	1030
			18×35.5	1100		
100	18×35.5	1120	※ 18×35.5	1296	20×41	1200
120	18×40	1250	※ 18×40	1400		
150	20×41	1380	※ 20×41	1796		
180	20×41	1450	※ 22×45	1800		

↑ ↑ ↑
Ripple current(mA rms) at 105°C,100kHz
Case size φD×L (mm)

※ Marking item : Please refer to the below table for rated ripple current

ITEM	SIZE (φD×L)	Ripple Current				
		120Hz	1kHz	10kHz	50kHz	100kHz
RH 450V 100μF	18×35.5	810	905	1030	1160	1296
RH 450V 120μF	18×40	875	1000	1150	1260	1440
RH 450V 150μF	20×41	1120	1250	1430	1610	1796
RH 450V 180μF	22×45	1400	1450	1530	1620	1800