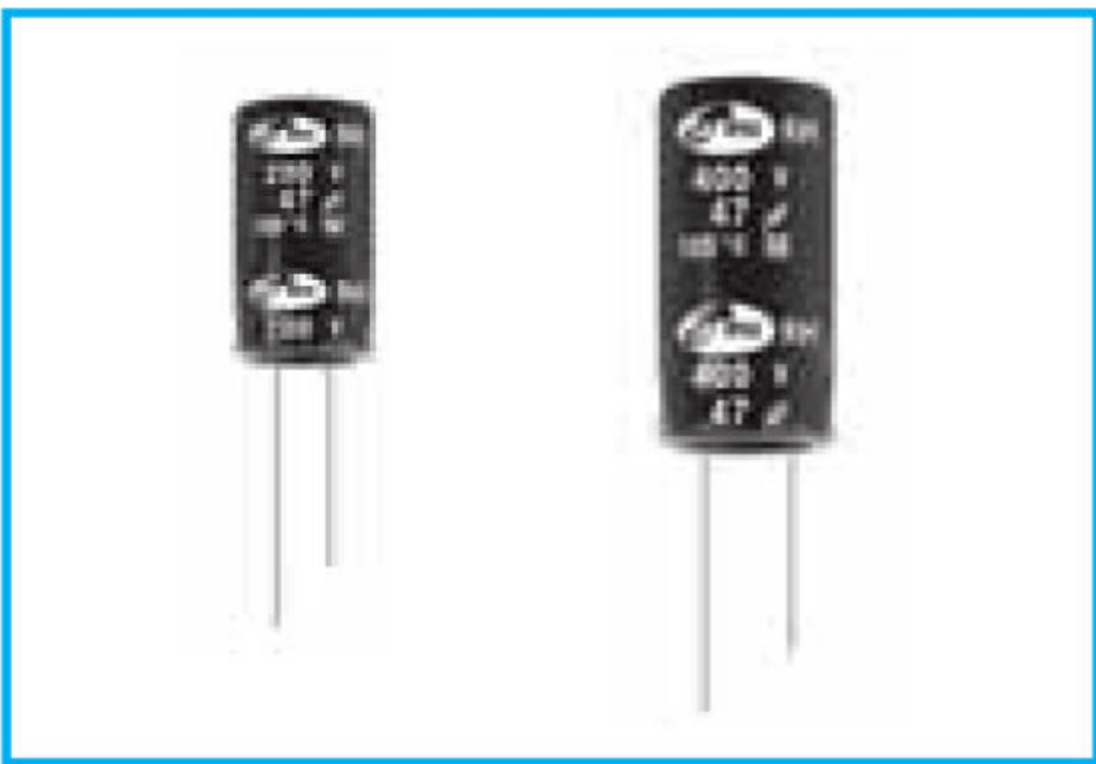
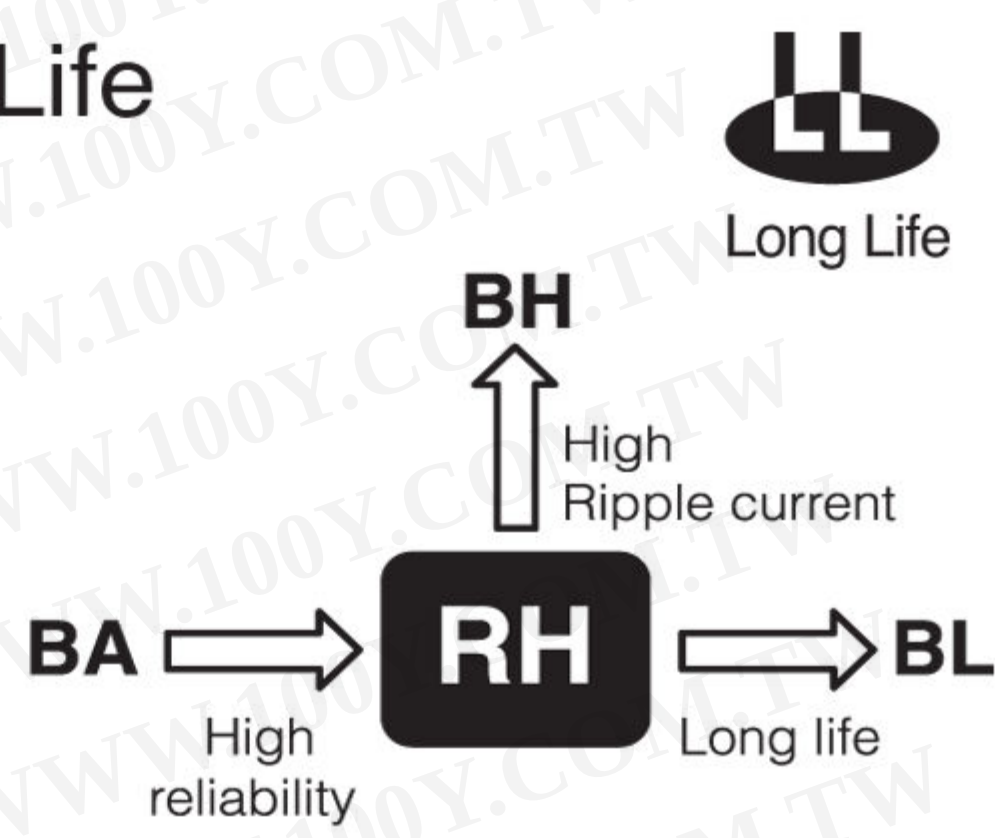


MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS

RH For PSU High Ripple Current, Long Life Series

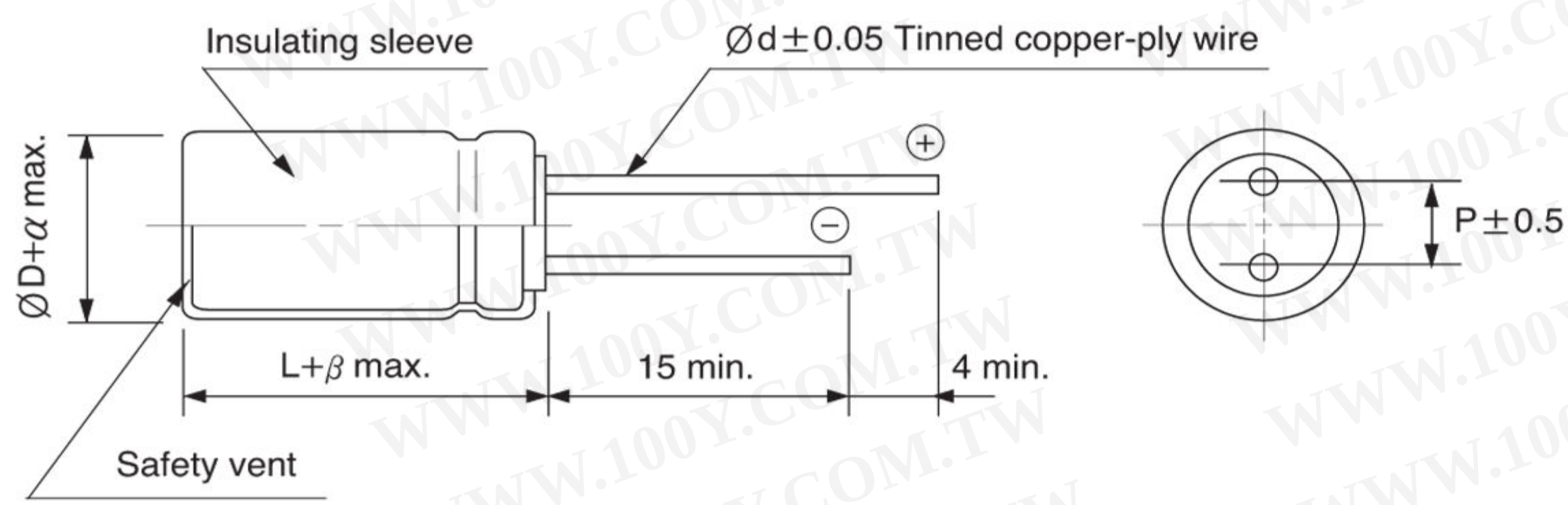
- High ripple current
- High reliability withstanding 5000 hours load life at 105°C
- Suited for ballast application
- Complied to the RoHS directive



Item	Characteristics							
Operating temperature range	WV	160 ~ 450				500		
	Temperature range	-40 ~ +105°C				-25 ~ +105°C		
Leakage current max.	I = 0.02CV + 15μA (after 5 minutes)							
Capacitance tolerance	±20% at 120Hz, 20°C							
Dissipation factor max. (at 120Hz, 20°C)	WV	160	200	250	350	400	450	500
	tanδ	0.15	0.15	0.15	0.20	0.24	0.24	0.24
Low temperature characteristics (Impedance ratio at 120Hz)	WV	160	200	250	350	400	450	500
	Z-25°C/Z+20°C	3	3	3	4	6	6	6
	Z-40°C/Z+20°C	4	4	4	8	10	10	-
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 6035 clause 5.4.							

DRAWING

Unit : mm



Ø D	10	12.5	16	18	20	22
P	5.0	5.0	7.5	7.5	10.0	10.0
Ø d	0.6	0.6	0.8	0.8	0.8	1.0
β	2.0				3.0	
α	0.5				1.0	

FREQUENCY COEFFICIENT OF PERMISSIBLE RIPPLE CURRENT

µF	Frequency	60Hz	120Hz	1kHz	10kHz	50kHz	100kHz≤
~ 4.7		0.25	0.30	0.60	0.80	0.90	1.00
6.8 ~ 15		0.30	0.40	0.70	0.90	0.95	1.00
22 ~		0.40	0.50	0.80	0.90	0.95	1.00



RH series

勝 特 力 材 料 886-3-5753170
勝特力电子(上海) 86-21-34970699
勝特力电子(深圳) 86-755-83298787
Http://www.100y.com.tw

● DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

μF \ WV	160		200		250		350	
1.0							10 × 12.5	80
2.2							10 × 12.5	90
3.3							10 × 12.5	100
4.7							10 × 16	130
6.8							10 × 16	200
10			10 × 12.5	120	10 × 12.5	120	10 × 16	200
15	10 × 16	250	10 × 16	300	10 × 20	300	10 × 20	280
22					10 × 12.5	260		
33	10 × 16	360	10 × 16	360	12.5 × 20	600	12.5 × 20	350
	10 × 20	500	10 × 20	500				
47	10 × 20	500	10 × 20	500	12.5 × 20	600	16 × 20	500
			12.5 × 20	600				
68	12.5 × 20	600	12.5 × 20	660	12.5 × 25	720	16 × 25	660
82	12.5 × 25	600	12.5 × 25	760	16 × 25	920	16 × 31.5	800
100	16 × 20	760	16 × 20	880	16 × 25	1120	18 × 31.5	920
120	16 × 25	1100	16 × 25	1120	16 × 31.5	1200	18 × 31.5	1020
150	16 × 25	1180	16 × 31.5	1200	18 × 25	1200	18 × 31.5	1150
220	16 × 31.5	1300	16 × 31.5	1300	18 × 25	1250	18 × 40	1250
					18 × 31.5	1250		
					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
56			18 × 25	750	18 × 35.5	740
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	18 × 45	1100
					20 × 41	1200
120	18 × 40	1250	18 × 40	1500		
150	20 × 41	1380	20 × 41	1796		
180	20 × 41	1450	22 × 45	1800		

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

MINIATURE TYPES