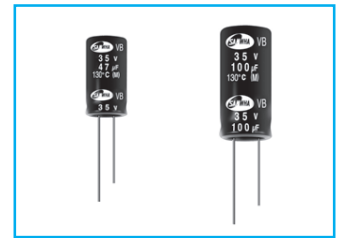
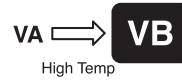


# MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS

## VB 155°C, High Temp, High Reliability Series

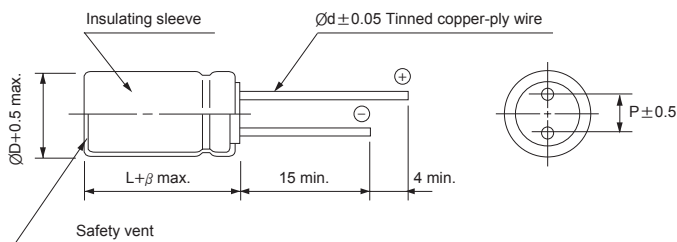
- Load life of 1000 hours at +155°C use
- For Electronic Control Unit and other high temperature applications
- Complied to the RoHS directive



Item	Characteristics								
Operating temperature range	-40 ~ +155°C								
Leakage current max.	I = 0.03CV or 4µA whichever is greater (after 1 minute)								
Capacitance tolerance	±20% (20°C, 120Hz)								
Dissipation factor max. (at 120Hz, 20°C)	When the capacitance exceeds 1000µF, 0.02 for each 1000µF increase.								
	Rated Voitafe(V)	10	16	25	35	50	63	80	100
	tanδ	0.20	0.16	0.14	0.12	0.10	0.10	0.08	0.08
Low temperature characteristics (Impedance ratio at 120Hz)	WV	10	16	25	35	50	63	80	100
	Z-25°C/Z+20°C	3	2	2	2	2	2	2	2
	Z-40°C/Z+20°C	4	4	4	4	4	4	4	4
Load life (after application of the rated voltage for 1000 hours at 155°C)	Leakage current	Less than specified value							
	Capacitance change	Within ±30% of initial value							
	tanδ	Less than 300% of specified value							

### ● DRAWING

Unit : mm



ØD	10	12.5	16	18
P	5	5	7.5	7.5
Ød	0.6	0.6	0.8	0.8
β	2.0			

### ● FREQUENCY COEFFICIENT OF PERMISSIBLE RIPPLE CURRENT

CV \ Frequency(Hz)	120	300	1k	100k ≤
1000 ≤ CV	0.67	0.79	0.91	1.00
1000 > CV	0.50	0.64	0.83	1.00

## MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS

### VB series

#### ● DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

WV Item $\mu\text{F}$	10		16		25		35	
	$\varnothing\text{D} \times \text{L}(\text{mm})$	Ripple current (mA rms) 155°C, 100kHz	$\varnothing\text{D} \times \text{L}(\text{mm})$	Ripple current (mA rms) 155°C, 100kHz	$\varnothing\text{D} \times \text{L}(\text{mm})$	Ripple current (mA rms) 155°C, 100kHz	$\varnothing\text{D} \times \text{L}(\text{mm})$	Ripple current (mA rms) 155°C, 100kHz
1.0							10 × 12.5	35
2.2							10 × 12.5	50
3.3							10 × 12.5	60
4.7							10 × 12.5	85
10							10 × 12.5	175
22							10 × 12.5	200
33							10 × 12.5	225
47							10 × 12.5	250
100					10 × 12.5	250	10 × 20	400
220			10 × 16	300	12.5 × 20	500	12.5 × 25	600
330	10 × 16	300	10 × 20	400	12.5 × 25	600	16 × 25	800
470	10 × 20	400	12.5 × 20	600	16 × 25	800	16 × 31.5	1000
1000	12.5 × 25	600	16 × 25	800	16 × 31.5	1000	18 × 40	1300
2200	16 × 31.5	1000	18 × 35.5	1200				
3300	18 × 35.5	1200	18 × 40	1300				
4700	18 × 40	1300						

WV Item $\mu\text{F}$	50		63		80		100	
	$\varnothing\text{D} \times \text{L}(\text{mm})$	Ripple current (mA rms) 155°C, 100kHz	$\varnothing\text{D} \times \text{L}(\text{mm})$	Ripple current (mA rms) 155°C, 100kHz	$\varnothing\text{D} \times \text{L}(\text{mm})$	Ripple current (mA rms) 155°C, 100kHz	$\varnothing\text{D} \times \text{L}(\text{mm})$	Ripple current (mA rms) 155°C, 100kHz
22							10 × 12.5	390
33					10 × 12.5	420	10 × 16	510
47					10 × 16	550	10 × 20	640
56			10 × 12.5	430	10 × 20	690	10 × 20	640
68			10 × 16	560	10 × 20	690	12.5 × 20	760
100	10 × 12.5	380	10 × 20	710	12.5 × 20	820	12.5 × 25	950
220	10 × 20	640	12.5 × 25	1040	16 × 25	1250	16 × 31.5	1380
330	12.5 × 20	770	16 × 20	1080	16 × 31.5	1480	18 × 31.5	1430
470	12.5 × 25	960	16 × 25	1280	18 × 31.5	1530		
560	16 × 20	1080	16 × 31.5	1520				
680	16 × 25	1190	16 × 35.5	1520				
1000	16 × 31.5	1420						