

MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS

VA

130°C, Long Life, Low Impedance Series



Low Impedance

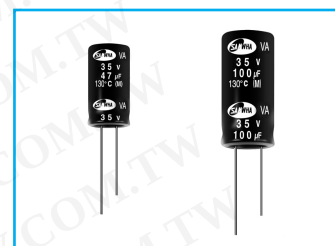


Long Life



Solvent Proof

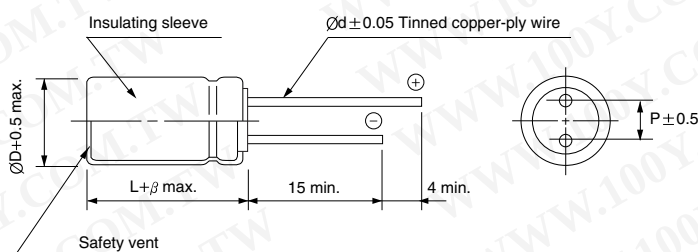
- Load life of 4000 hours at 130°C
- Low impedance at high frequency
- For Electronic Control Unit and other high temperature applications
- Complied to the RoHS directive



Item	Characteristics				
Operating temperature range	-40 ~ +130°C				
Leakage current max.	I = 0.01CV or 3μA whichever is greater (after 2 minutes)				
Capacitance tolerance	±20% at 120Hz, 20°C				
Dissipation factor max. (at 120Hz, 20°C)	When the capacitance exceeds 1000μF, 0.02 for each 1000μF increase.				
	Rated Voltage(V)	10	16	25	35
	tanδ	0.20	0.16	0.14	0.12
Low temperature characteristics (Impedance ratio at 120Hz)	WV	10	16	25	35
	Z-25°C/Z+20°C	3	2	2	2
	Z-40°C/Z+20°C	6	4	3	3
Load life (after application of the rated voltage for 4000 hours at 130°C)	Leakage current		Less than specified value		
	Capacitance change		Within ±30% of initial value		
	tanδ		Less than 300% of specified value		
	Ø8 and Ø10 products are for 2000 hours.				
Shelf life (at 130°C)	After 1000 hours no load test, leakage current, capacitance and tanδ are same as load life value.				

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			

FREQUENCY COEFFICIENT OF PERMISSIBLE RIPPLE CURRENT

Frequency(Hz)	60	120	1k	10k	100k≤
~ 330	0.60	0.70	0.85	0.95	1.00
470 ~ 1500	0.65	0.75	0.90	0.98	1.00
2200 ~	0.75	0.80	0.95	1.00	1.00

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](http://www.100y.com.tw)

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VA series

● DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

WV Item μF	10			16		
	ØD×L (mm)	Impedance (Ω)max. 20°C 100kHz	Ripple current (mA rms) 130°C 100kHz	ØD×L (mm)	Impedance (Ω)max. 20°C 100kHz	Ripple current (mA rms) 130°C 100kHz
220						
330	8×11.5	0.22	360	8×11.5	0.22	360
470	10×12.5	0.15	620	10×12.5	0.15	620
1000	10×20	0.073	960	10×20	0.073	960
2200	12.5×25	0.040	1430	12.5×25	0.040	1430
3300	16×25	0.038	1900	16×31.5	0.034	2300
4700	16×31.5	0.034	2300	16×35.5	0.031	2550

WV Item μF	25			35		
	ØD×L (mm)	Impedance (Ω)max. 20°C 100kHz	Ripple current (mA rms) 130°C 100kHz	ØD×L (mm)	Impedance (Ω)max. 20°C 100kHz	Ripple current (mA rms) 130°C 100kHz
220	8×11.5	0.22	360	10×12.5	0.15	500
330	10×12.5	0.15	620	10×16	0.10	700
470	10×20	0.10	800	10×20	0.073	800
1000	12.5×25	0.055	1100	12.5×25	0.040	1100
2200	16×31.5	0.034	2300	16×35.5	0.031	2550
3300	16×35.5	0.031	2550	18×35.5	0.028	2800

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