

## ASA Series

6 Watts

Total Power: 6 Watts  
Input Voltage: 12V, 24V or 48V  
# of Outputs: Single, Dual

### Special Features

- Encapsulated
- Wide 4:1 input range
- 1.25" X 0.8" DIP package
- 1500Vdc I/O isolation
- Single and Dual output



## Electrical Specifications

### Input

Input range 9 to 36 VDC; 18 to 75 VDC  
Efficiency<sup>2</sup> 81%@5Vo

### Output

Voltage tolerance  $\pm 2.0\%$   
Line regulation  $\pm 0.5\%$   
Load regulation Single output: 1% @ 3.3Vo  
Other:  $\pm 0.5\%$   
Dual output:  $\pm 3.0\%$   
Noise/ripple 3.3Vo, 5Vo: 100mV  
12Vo: 120mV  
15Vo: 150mV  
Short circuit protection Auto-restart  
Switching frequency 250KHz  
Temperature coefficient  $\pm 0.02 / ^\circ\text{C}$

### Isolation

I/O isolation 1500 VDC min.  
Insulation resistance 10Mohm  
Insulation capacitance 1000pF

## Environmental Specifications

Operating ambient temperature range  $-40^\circ\text{C}$  to  $+71^\circ\text{C}$  (no derating)  
Storage temperature  $-55^\circ\text{C}$  to  $+105^\circ\text{C}$   
Humidity 5% to 95% (non-condensing)  
MTBF 1 Mhrs demonstrated MTBF  
RoHS Compliant

### Safety

CE Mark

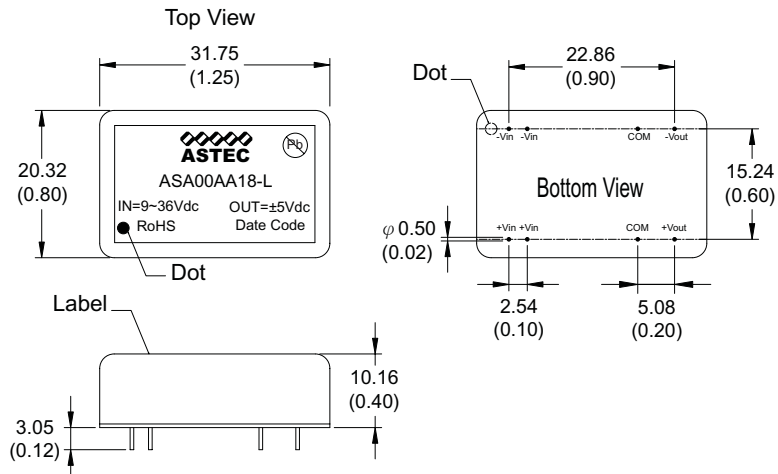
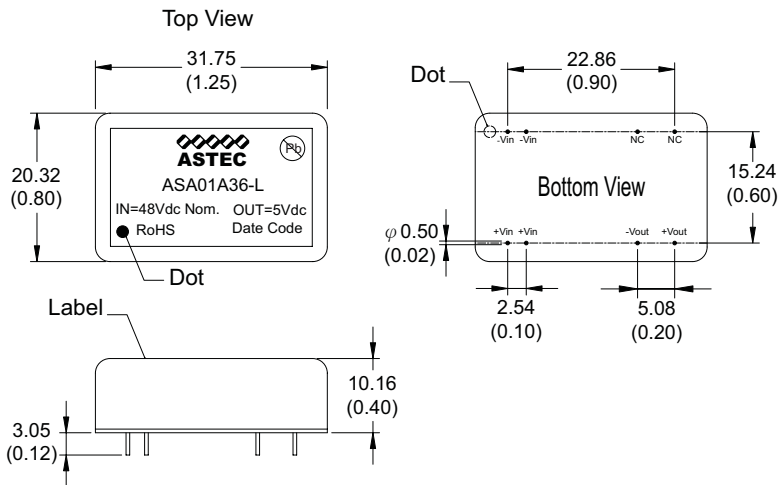


### Ordering Information

Input Voltage	Output 1 Voltage	Output 2 Voltage	Maximum Power	Model Number
9-3 6V	3.3V @ 1.2A		3.96W	ASA01F18-L
9-3 6V	5V @ 1.00A		5W	ASA01A18-L
9-3 6V	12V @ 0.50A		6W	ASA00B18-L
9-3 6V	15V @ 0.40A		6W	ASA00C18-L
9-3 6V	5V @ 0.50A	-5V @ 0.5A	5W	ASA00AA18-L
9-3 6V	12V @ 0.25A	-12V @ 0.25A	6W	ASA00BB18-L
9-3 6V	15V @ 0.20A	-15V @ 0.20A	6W	ASA00CC18-L
18 - 75V	3.3V @ 1.2A		3.96W	ASA01F36-L
18 - 75V	5V @ 1.00A		5W	ASA01A36-L
18 - 75V	12V @ 0.50A		6W	ASA00B36-L
18 - 75V	15V @ 0.40A		6W	ASA00C36-L
18 - 75V	5V @ 0.50A	-5V @ 0.5A	5W	ASA00AA36-L
18 - 75V	12V @ 0.25A	-12V @ 0.25A	6W	ASA00BB36-L
18 - 75V	15V @ 0.20A	-15V @ 0.20A	6W	ASA00CC36-L

Please contact Astec for information on other output voltages, power ranges and configurations. Available in RoHS 6 version only.

### Mechanical Drawing



#### Notes:

1. All specifications subject to change without notice. Mechanical drawings are for reference only.
2. Warranty: 1 yr
3. Label and logo appearance may vary from what is shown on mechanical drawings.

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