



**THE DATASHEET OF
ASA01A36-L**



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
Efficiency² 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°C to $+71^\circ\text{C}$ (no derating)
Storage temperature -55°C to $+105^\circ\text{C}$
Humidity 5% to 95% (non-condensing)
MTBF 1 Mhrs demonstrated MTBF
RoHS Compliant

Safety

CE Mark

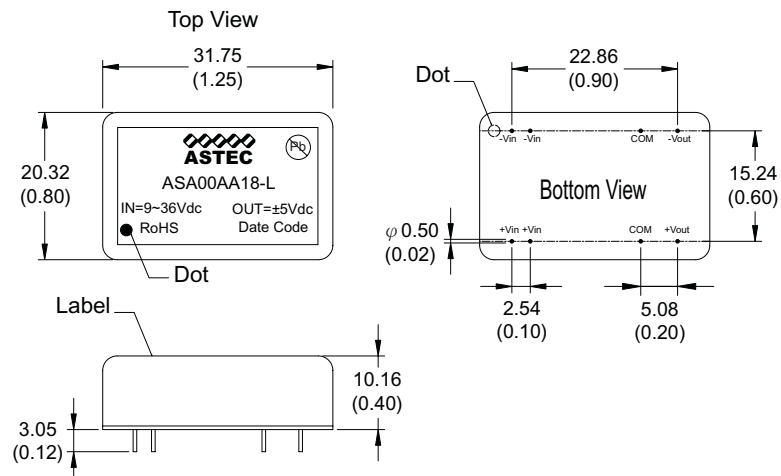
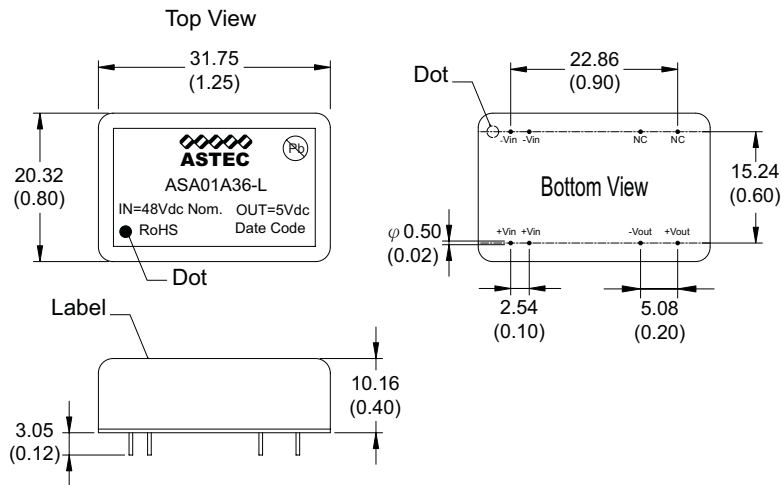


Ordering Information

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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