

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 ² | 81%@5Vo |
| Output | |
| Voltage tolerance | ±2.0% |
| Line regulation | ±0.5% |
| Load regulation | Single output: 1% @ 3.3Vo Other: ± 0.5% Dual output: ± 3.0% |
| Noise/ripple | 3.3Vo, 5Vo: 100mV 12Vo: 120mV 15Vo: 150mV |
| Short circuit protection | Auto-restart |
| Switching frequency | 250KHz |
| Temperature coefficient | ±0.02 /°C |
| Isolation | |
| I/O isolation | 1500 VDC min. |
| Insulation resistance | 10Mohm |
| Insulation capacitance | 1000pF |

Environmental Specifications

| | |
|-------------------------------------|------------------------------|
| Operating ambient temperature range | -40°C to +71°C (no derating) |
| Storage temperature | -55°C to +105°C |
| Humidity | 5% to 95% (non-condensing) |
| MTBF | 1 Mhrs demonstrated MTBF |
| RoHS Compliant | |

Safety

CE Mark

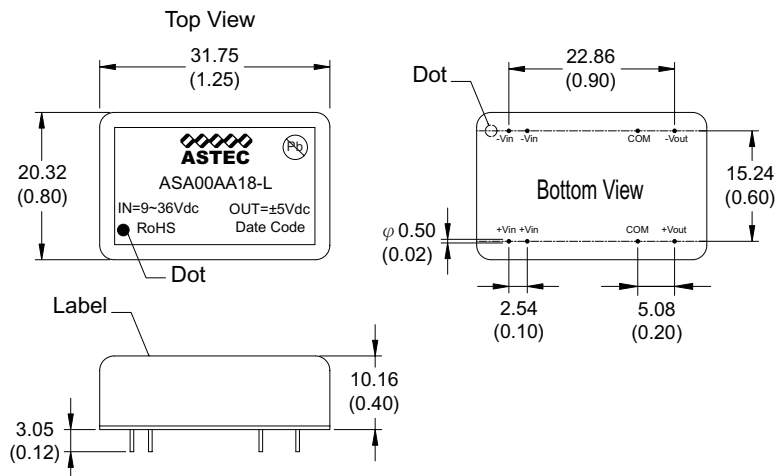
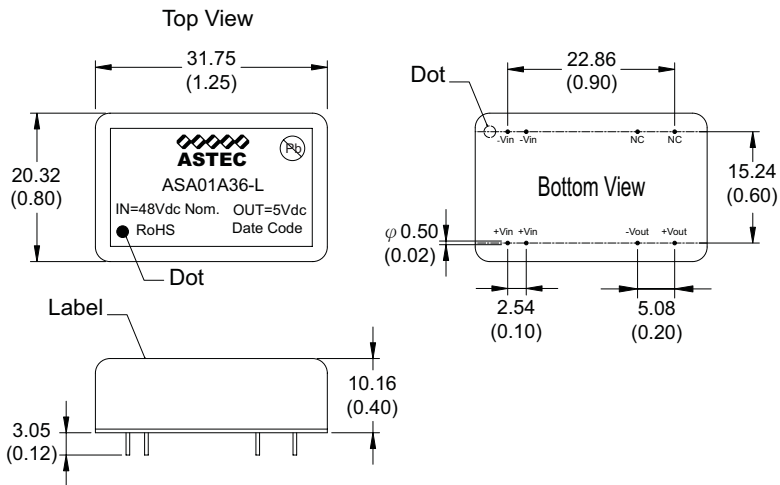


Ordering Information

| 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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