

## 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

### Safety

CE Mark



## Electrical Specifications

| Input                    |                                                                   |
|--------------------------|-------------------------------------------------------------------|
| Input range              | 9 to 36 VDC; 18 to 75 VDC                                         |
| Efficiency <sup>2</sup>  | 81%@5Vo                                                           |
| Output                   |                                                                   |
| Voltage tolerance        | ±2.0%                                                             |
| Line regulation          | ±0.5%                                                             |
| Load regulation          | Single output: 1% @ 3.3Vo<br>Other: ± 0.5%<br>Dual output: ± 3.0% |
| Noise/ripple             | 3.3Vo, 5Vo: 100mV<br>12Vo: 120mV<br>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                      |                              |

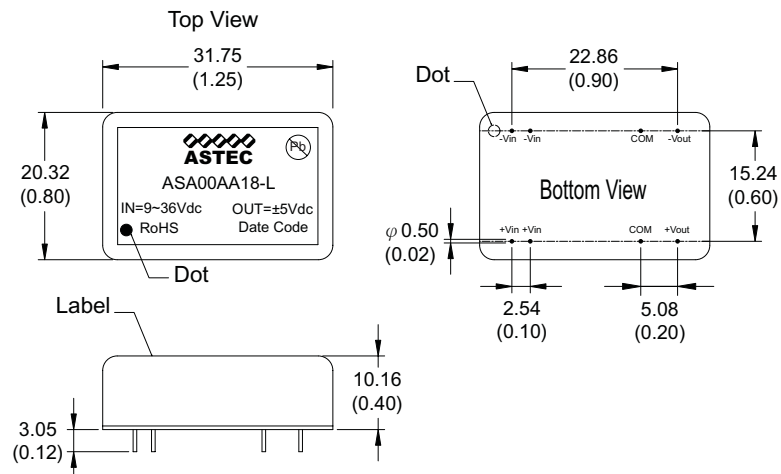
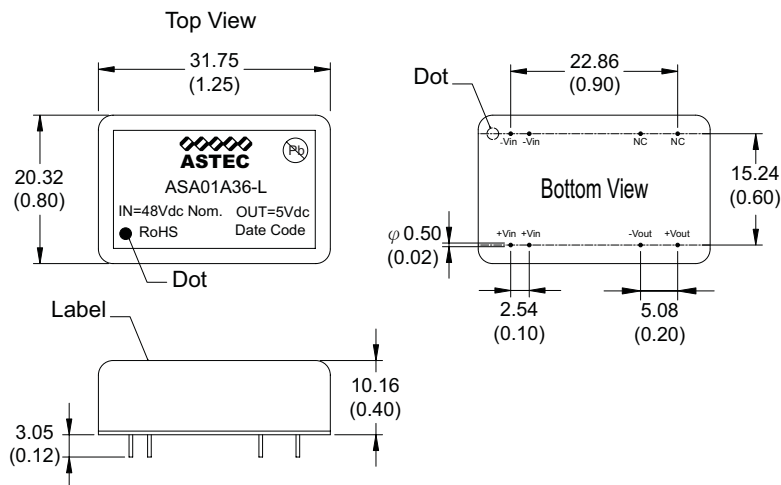


## Ordering Information

| 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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