



**THE DATASHEET OF  
ASA03F24-L**



## ASA Series

10 Watts

Total Power: 10 Watts  
Input Voltage: 24V or 48V  
# of Outputs: Single

### Special Features

- Encapsulated
- 2:1 input range
- 1.25" X 0.8" DIP package
- 1500Vdc I/O isolation
- Single output



## Electrical Specifications

### Input

|                         |                            |
|-------------------------|----------------------------|
| Input range             | 18 to 36 VDC; 36 to 75 VDC |
| Efficiency <sup>2</sup> | 83%@12Vo                   |

### Output

|                          |  |
|--------------------------|--|
| Voltage tolerance        | ±2.0%  |
| Line regulation          | ±0.8%  |
| Load regulation          | ±1.2%  |
| Noise/ripple             | 100mV for 2.5Vo,<br>3.3Vo and<br>5.0Vo<br>120mV for 12Vo |
| Short circuit protection | Auto-restart   |
| Switching frequency      | 350KHz   |
| 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 +60°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 |
|---------------|------------------|------------------|---------------|--------------|
| 18 - 36 V     | 2.5 V @ 3 A      |                  | 7.5 W         | ASA03G24-L   |
| 18 - 36 V     | 3.3 V @ 3 A      |                  | 10 W          | ASA03F24-L   |
| 18 - 36 V     | 5 V @ 2 A        |                  | 10 W          | ASA02A24-L   |
| 18 - 36 V     | 12 V @ 0.835 A   |                  | 10 W          | ASA00B24-L   |
| 36 - 75 V     | 2.5 V @ 3 A      |                  | 7.5 W         | ASA03G48-L   |
| 36 - 75 V     | 3.3 V @ 3 A      |                  | 10 W          | ASA03F48-L   |
| 36 - 75 V     | 5 V @ 2 A        |                  | 10 W          | ASA02A48-L   |
| 36 - 75 V     | 12 V @ 0.835 A   |                  | 10 W          | ASA00B48-L   |

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

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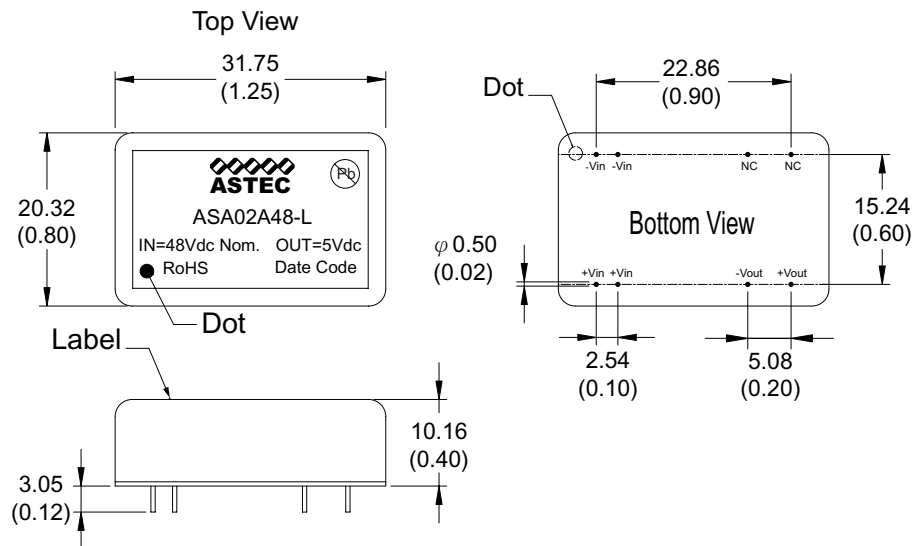
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## Mechanical Drawing



## Notes:

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

## Looking for pricing, stock, or lifecycle information?

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