



**THE DATASHEET OF
ASA02A24-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 ² | 83%@12Vo |
| Output | |
| Voltage tolerance | ±2.0% |
| Line regulation | ±0.8% |
| Load regulation | ±1.2% |
| Noise/ripple | 100mV for 2.5Vo, 3.3Vo and 5.0Vo 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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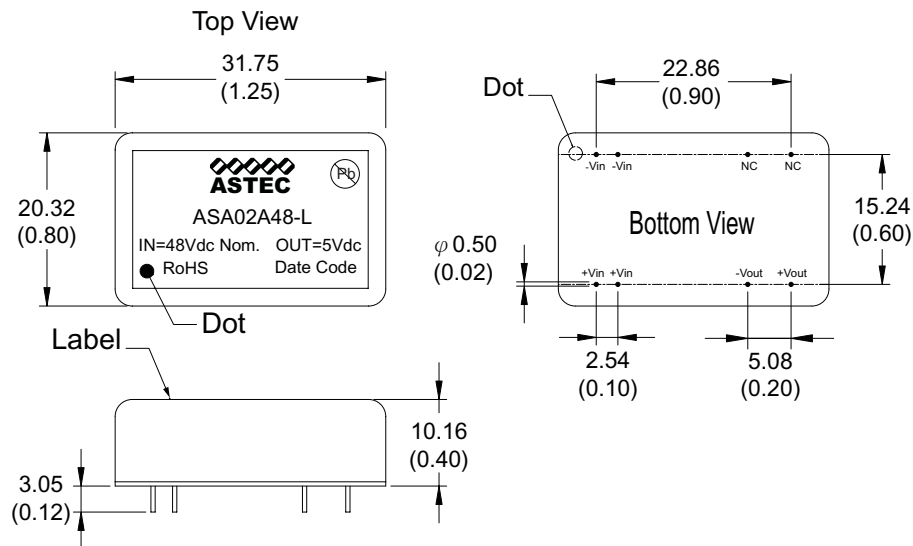
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Mechanical Drawing



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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