



**THE DATASHEET OF
ASA02A48-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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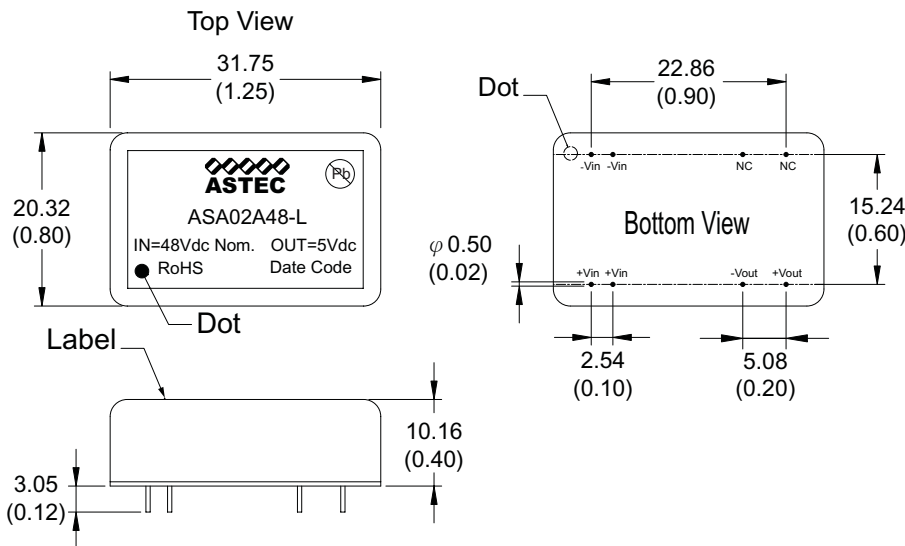
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Mechanical Drawing



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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