



**THE DATASHEET OF  
ASA00B48-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, 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.

## Americas

5810 Van Allen Way  
Carlsbad, CA 92008  
USA  
Telephone: +1 (760) 930 4600  
Facsimile: +1 (760) 930 0698

## Europe (UK)

Waterfront Business Park  
Merry Hill, Dudley  
West Midlands, DY5 1LX  
United Kingdom  
Telephone: +44 (0) 1384 842 211  
Facsimile: +44 (0) 1384 843 355

## Asia (HK)

14/F, Lu Plaza  
2 Wing Yip Street  
Kwun Tong, Kowloon  
Hong Kong  
Telephone: +852 2176 3333  
Facsimile: +852 2176 3888

For global contact, visit:

[www.powerconversion.com](http://www.powerconversion.com)

[techsupport.embeddedpower@emerson.com](mailto:techsupport.embeddedpower@emerson.com)

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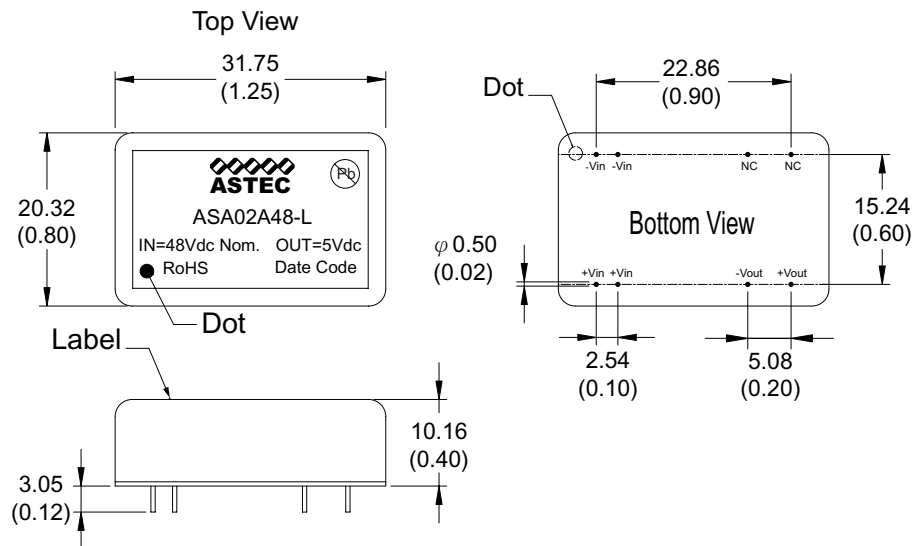
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- Surge Protection

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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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