

## ASA Series

6 Watts

### Data Sheet

**Total Power:** 6 Watts  
**Input Voltage:** 12 V, 24 V or 48 V  
**# of Outputs:** Single, Dual

### SPECIAL FEATURES

- Encapsulated
- Wide 4:1 input range
- 1.25" x 0.8" DIP package
- 1500 Vdc I/O isolation
- Single and Dual output

### SAFETY

- UL 60950-1
- CE Mark



### Electrical Specifications

| Input                     |                                                                  |
|---------------------------|------------------------------------------------------------------|
| Input range:              | 9 to 36 VDC; 18 to 75 VDC                                        |
| Efficiency <sup>2</sup> : | 81% @ 5 Vo                                                       |
| Output                    |                                                                  |
| Voltage tolerance:        | ±2.0%                                                            |
| Line regulation:          | ±0.5%                                                            |
| Load regulation:          | Single output: 1% @ 3.3 Vo<br>Other: ±0.5%<br>Dual output: ±3.0% |
| Noise/ripple:             | 3.3 Vo, 5 Vo: 100 mV<br>12 Vo: 120 mV<br>15 Vo: 150 mV           |
| Short circuit protection: | Auto-restart                                                     |
| Switching frequency:      | 250 KHz                                                          |
| Temperature coefficient:  | ±0.02 /°C                                                        |
| Isolation                 |                                                                  |
| I/O isolation             | 1500 VDC min.                                                    |
| Insulation resistance:    | 10 Mohm                                                          |
| Insulation capacitance:   | 1000 pF                                                          |

### 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                       |                                |

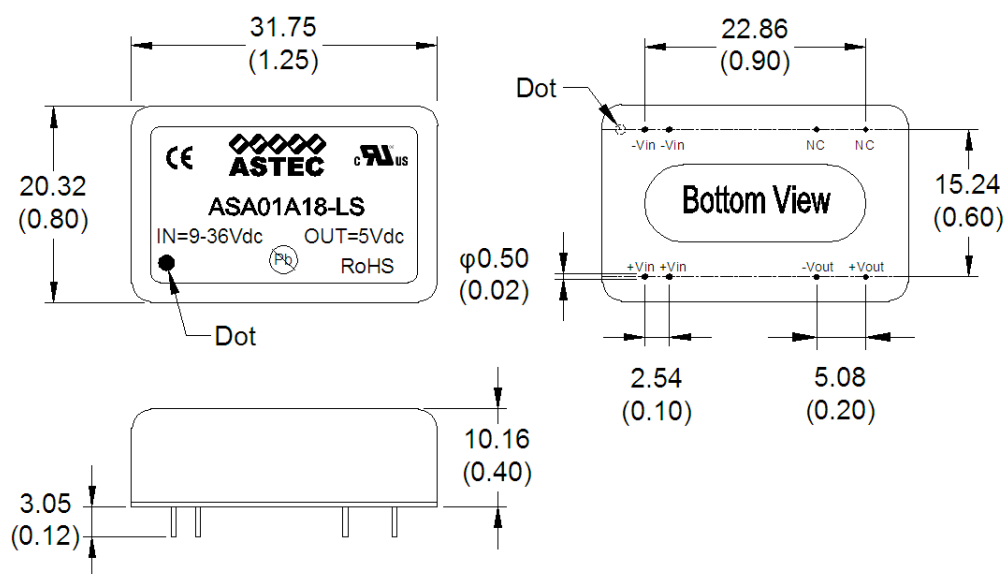
## Ordering Information

| Model Number | Input Voltage | Output 1 Voltage | Output 2 Voltage | Maximum Power |
|--------------|---------------|------------------|------------------|---------------|
| ASA01F18-LS  | 9 - 36 V      | 3.3 V @ 1.2 A    |                  | 3.96 W        |
| ASA01A18-LS  | 9 - 36 V      | 5 V @ 1.00 A     |                  | 5 W           |
| ASA00B18-LS  | 9 - 36 V      | 12 V @ 0.50 A    |                  | 6 W           |
| ASA00C18-LS  | 9 - 36 V      | 15 V @ 0.40 A    |                  | 6 W           |
| ASA00AA18-LS | 9 - 36 V      | 5 V @ 0.50 A     | -5 V @ 0.5 A     | 5 W           |
| ASA00BB18-LS | 9 - 36 V      | 12 V @ 0.25 A    | -12 V @ 0.25 A   | 6 W           |
| ASA00CC18-LS | 9 - 36 V      | 15 V @ 0.20 A    | -15 V @ 0.20 A   | 6 W           |
| ASA01F36-LS  | 18 - 75 V     | 3.3 V @ 1.2 A    |                  | 3.96 W        |
| ASA01A36-LS  | 18 - 75 V     | 5 V @ 1.00 A     |                  | 5 W           |
| ASA00B36-LS  | 18 - 75 V     | 12 V @ 0.50 A    |                  | 6 W           |
| ASA00C36-LS  | 18 - 75 V     | 15 V @ 0.40 A    |                  | 6 W           |
| ASA00AA36-LS | 18 - 75 V     | 5 V @ 0.50 A     | -5 V @ 0.5 A     | 5 W           |
| AEE00BB36-LS | 18 - 75 V     | 12 V @ 0.25 A    | -12 V @ 0.25 A   | 6 W           |
| ASA00CC36-LS | 18 - 75 V     | 15 V @ 0.20 A    | -15 V @ 0.20 A   | 6 W           |

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

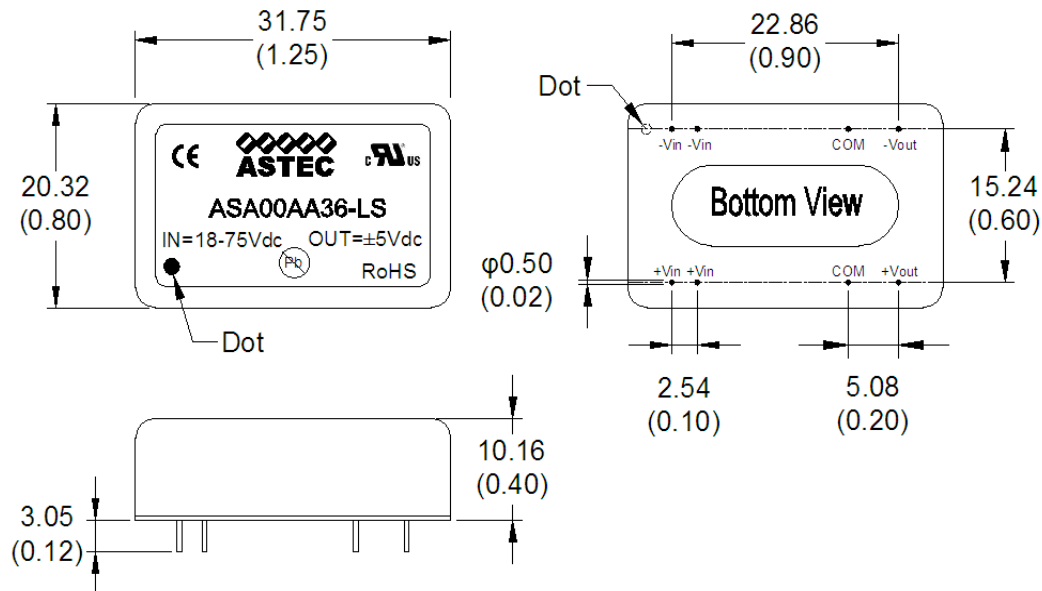
## Mechanical Drawings

### Single Output



## Mechanical Drawings

### Dual Output



#### Notes:

1. All specifications are 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.

## WORLDWIDE OFFICES

### Americas

2900 S.Diablo Way  
Tempe, AZ 85282  
USA  
+1 888 412 7832

### Europe (UK)

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

### Asia (HK)

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

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

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For more information: [www.artesyn.com/power](http://www.artesyn.com/power)  
For support: [productsupport.ep@artesyn.com](mailto:productsupport.ep@artesyn.com)

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Website :

Welcome to visit [www.ameya360.com](http://www.ameya360.com)

Contact Us :

➤ Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd  
Minhang District, Shanghai , China

➤ Sales :

Direct    +86 (21) 6401-6692  
Email     amall@ameya360.com  
QQ        800077892  
Skype     ameyasales1 ameyasales2

➤ Customer Service :

Email     service@ameya360.com

➤ Partnership :

Tel        +86 (21) 64016692-8333  
Email     mkt@ameya360.com