

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 ² :	81% @ 5 Vo
Output	
Voltage tolerance:	±2.0%
Line regulation:	±0.5%
Load regulation:	Single output: 1% @ 3.3 Vo Other: ±0.5% Dual output: ±3.0%
Noise/ripple:	3.3 Vo, 5 Vo: 100 mV 12 Vo: 120 mV 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	

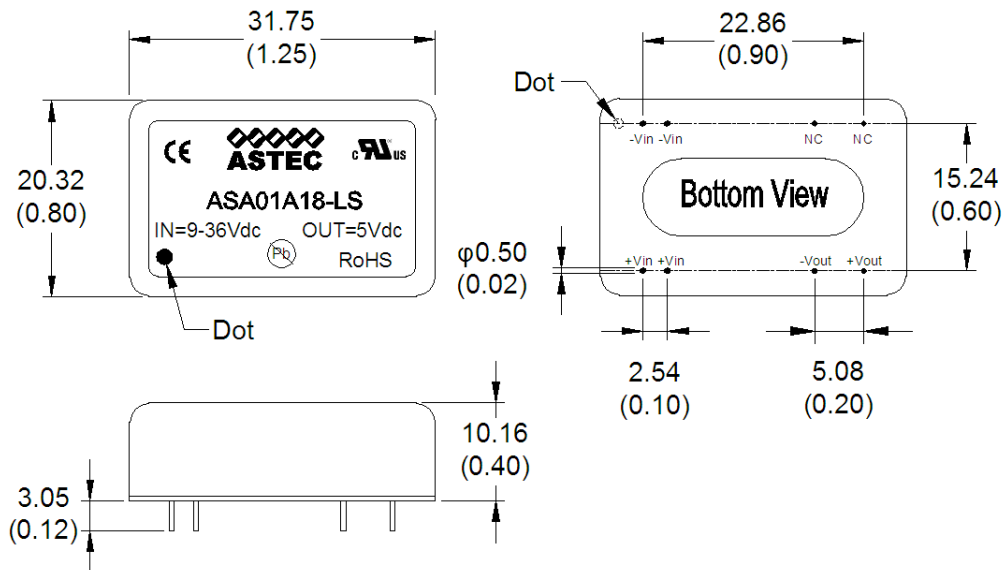
Ordering Information

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.

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