

### Data Sheet

**Total Power:** 8 W  
**Input Voltage:** 12, 24 or 48 V  
**# of Outputs:** Single and Dual

### SPECIAL FEATURES

- Ultra compact DIP package  
23.8 x 13.7 x 8.0 mm  
(0.94 x 0.54 x 0.31 inches)
- Efficiency up to 86%
- I/O-isolation 1500 VDC
- Ultra-wide 4:1 input range
- Operating temperature range  
-40 °C to +85 °C
- Input filter meets EN 55022, class A  
and FCC, level A
- Three year product warranty
- UL/cUL/IEC/EN 62368-1 (60950-1)  
safety approval and CE marking

### SAFETY

- UL/cUL 60950-1 recognition  
(UL certificate), IEC/EN60950-1
- UL/cUL 62368-1 recognition  
(UL Certificate), IEC/EN62368-1



### Electrical Specifications

Input	
Input range	9 - 36 Vdc, 18 - 75 Vdc
Efficiency	86% @ 24 Vo
Output	
Voltage tolerance	±2.0%
Line regulation	0.8%
Load regulation	1.0%
Noise/ripple	55 mV
Overload protection	150% typ of Io max, Hiccup
Short circuit protection	Hiccup mode
Switching frequency	370 KHz
Isolation	
I/O isolation	I/O: 1500 Vdc
Insulation resistance	1000 Mohm
Insulation capacitance	500 pF

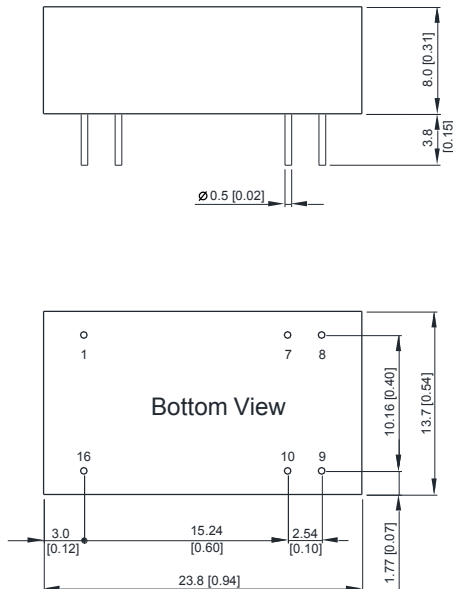
### Environmental Specifications

Operating ambient temperature range	-40 °C to +85 °C
Storage temperature	-50 °C to +125 °C
Humidity	5% to 95% non-condensing
MTBF	TBD Khrs calculated

## Ordering Information

Part Number	Input Voltage	Output Voltage	Output Current	Efficiency	Power
ATA02F18-L	9-36 Vdc	3.3 V	2000 mA	78%	6.6 W
ATA02A18-L	9-36 Vdc	5 V	1600 mA	82%	8 W
ATA02B18-L	9-36 Vdc	12 V	665 mA	85%	8 W
ATA02C18-L	9-36 Vdc	15 V	535 mA	85%	8 W
ATA02H18-L	9-36 Vdc	24 V	335 mA	86%	8 W
ATA02BB18-L	9-36 Vdc	±12 V	335 mA	85%	8 W
ATA02CC18-L	9-36 Vdc	±15 V	265 mA	86%	8 W
ATA02F36-L	18-75 Vdc	3.3 V	2000 mA	78%	6.6 W
ATA02A36-L	18-75 Vdc	5 V	1600 mA	81%	8 W
ATA02B36-L	18-75 Vdc	12 V	665 mA	85%	8 W
ATA02C36-L	18-75 Vdc	15 V	535 mA	85%	8 W
ATA02H36-L	18-75 Vdc	24 V	335 mA	86%	8 W
ATA02BB36-L	18-75 Vdc	± 12 V	335 mA	86%	8 W
ATA02CC36-L	18-75 Vdc	± 15 V	265 mA	86%	8 W

## Mechanical Dimensions



## Pin Connectors

Pin No.	Single Output	Dual Output
1	-Vin	-Vin
7	No Connection	No Connection
8	No Connection	Common
9	+Vout	+Vout
10	-Vout	-Vout
16	+Vin	+Vin

- All dimensions in mm (inches)
- Tolerance: X.X±0.25 (X.XX±0.01)  
X.XX±0.13 (X.XXX±0.005)
- Pin pitch tolerance: ±0.25 (±0.01)
- Pin dimension tolerance: ±0.1 (±0.004)

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