

### Data Sheet

**Total Power:** 3 W  
**Input Voltage:** 12, 24 or 48 V  
**# of Outputs:** Single and Dual

### SPECIAL FEATURES

- Ultra compact DIP and SMD package  
23.8 x 13.7 x 8.0 mm  
(0.94 x 0.54 x 0.31 inches)
- Efficiency up to 80%
- I/O-isolation 1500 VDC
- Ultra-wide 4:1 input range
- Operating temperature range  
-40 °C to +85 °C
- Remote ON/OFF control
- Input filter meets EN 55022, class A  
and FCC, level A
- 3 year product warranty
- CSA/UL/IEC/EN 60950-1 Safety  
Approval
- Qualified for lead-free reflow solder  
process according to IPC/JEDEC  
J-STD-020D (for SMD Package)

### SAFETY

- UL/cUL 60950-1 recognition (CSA  
certificate)
- IEC/EN 60950-1 (CB-scheme)



### Electrical Specifications

Input	
Input range	9 - 36 Vdc, 18 - 75 Vdc
Efficiency	80% @ 24 Vo
Output	
Voltage tolerance	±2.0%
Line regulation	1.0%
Load regulation	1.2%
Noise/ripple	100 mV
Overload protection	150% typ of Io max, foldback
Short circuit protection	Hiccup mode
Switching frequency	350 KHz
Isolation	
I/O isolation	I/O: 1500 Vdc
Insulation resistance	1000 Mohm
Insulation capacitance	500 pF

### Environmental Specifications

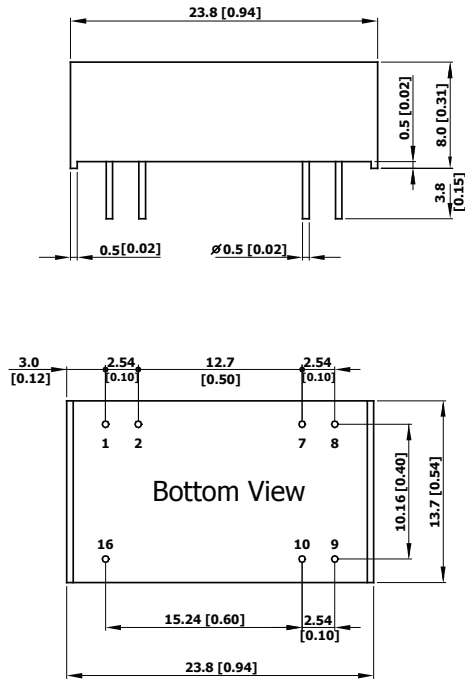
Operating ambient temperature range	-40 °C to +85 °C
Storage temperature	-50 °C to +125 °C
Humidity	5% to 95% non-condensing
MTBF	300 Khrs calculated

## Ordering Information

Part Number	Input Voltage	Output Voltage	Output Current	Efficiency	Power
ATA00F18-L	9-36 Vdc	3.3 V	600 mA	75%	2 W
ATA00A18-L	9-36 Vdc	5 V	600 mA	78%	3 W
ATA00B18-L	9-36 Vdc	12 V	250 mA	80%	3 W
ATA00C18-L	9-36 Vdc	15 V	200 mA	80%	3 W
ATA00H18-L	9-36 Vdc	24 V	125 mA	80%	3 W
ATA00AA18-L	9-36 Vdc	+/-5 V	300 mA	77%	3 W
ATA00BB18-L	9-36 Vdc	+/-12 V	125 mA	80%	3 W
ATA00CC18-L	9-36 Vdc	+/-15 V	100 mA	80%	3 W
ATA00F36-L	18-75 Vdc	3.3 V	600 mA	75%	2 W
ATA00A36-L	18-75 Vdc	5 V	600 mA	78%	3 W
ATA00B36-L	18-75 Vdc	12 V	250 mA	80%	3 W
ATA00C36-L	18-75 Vdc	15 V	200 mA	80%	3 W
ATA00H36-L	18-75 Vdc	24 V	125 mA	80%	3 W
ATA00AA36-L	18-75 Vdc	+/-5 V	300 mA	77%	3 W
ATA00BB36-L	18-75 Vdc	+/-12 V	125 mA	80%	3 W
ATA00CC36-L	18-75 Vdc	+/-15 V	100 mA	80%	3 W
ATA00F18S-L	9-36 Vdc	3.3 V	600 mA	75%	2 W
ATA00A18S-L	9-36 Vdc	5 V	600 mA	78%	3 W
ATA00B18S-L	9-36 Vdc	12 V	250 mA	80%	3 W
ATA00C18S-L	9-36 Vdc	15 V	200 mA	80%	3 W
ATA00H18S-L	9-36 Vdc	24 V	125 mA	80%	3 W
ATA00AA18S-L	9-36 Vdc	+/-5 V	300 mA	77%	3 W
ATA00BB18S-L	9-36 Vdc	+/-12 V	125 mA	80%	3 W
ATA00CC18S-L	9-36 Vdc	+/-15 V	100 mA	80%	3 W
ATA00F36S-L	18-75 Vdc	3.3 V	600 mA	75%	2 W
ATA00A36S-L	18-75 Vdc	5 V	600 mA	78%	3 W
ATA00B36S-L	18-75 Vdc	12 V	250 mA	80%	3 W
ATA00C36S-L	18-75 Vdc	15 V	200 mA	80%	3 W
ATA00H36S-L	18-75 Vdc	24 V	125 mA	80%	3 W
ATA00AA36S-L	18-75 Vdc	+/-5 V	300 mA	77%	3 W
ATA00BB36S-L	18-75 Vdc	+/-12 V	125 mA	80%	3 W
ATA00CC36S-L	18-75 Vdc	+/-15 V	100 mA	80%	3 W

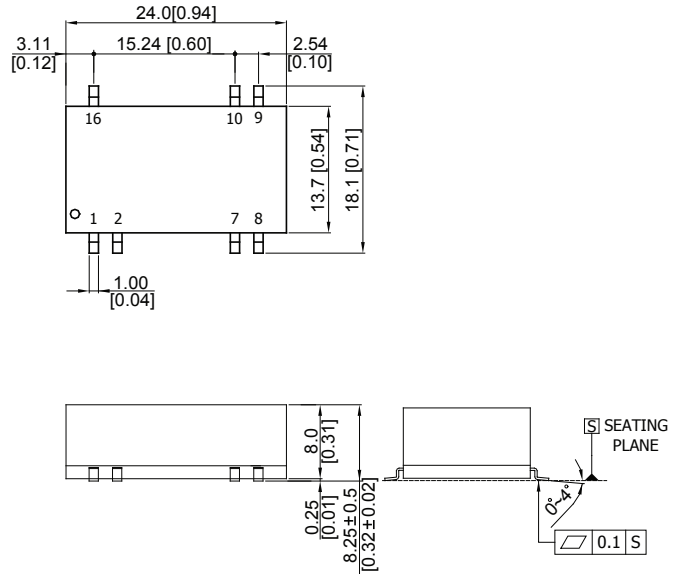
## Mechanical Dimensions

ATAxxx-L (DIP)



- 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)

ATAxxxS-L (SMD)



### Pin Connections

Pin	Single Output	Dual Output
1	-Vin	-Vin
2	Remote On/Off	Remote On/Off
7	NC	NC
8	NC	Common
9	+Vout	+Vout
10	-Vout	-Vout
16	+Vin	+Vin

## 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

**ARTESYN**  
EMBEDDED TECHNOLOGIES

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

While every precaution has been taken to ensure accuracy and completeness in this literature, Artesyn Embedded Technologies assumes no responsibility, and disclaims all liability for damages resulting from use of this information or for any errors or omissions. Artesyn Embedded Technologies, Artesyn and the Artesyn Embedded Technologies logo are trademarks and service marks of Artesyn Embedded Technologies, Inc. All other names and logos referred to are trade names, trademarks, or registered trademarks of their respective owners. © 2015 Artesyn Embedded Technologies, Inc.

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