

ATA Series

3 Watts

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

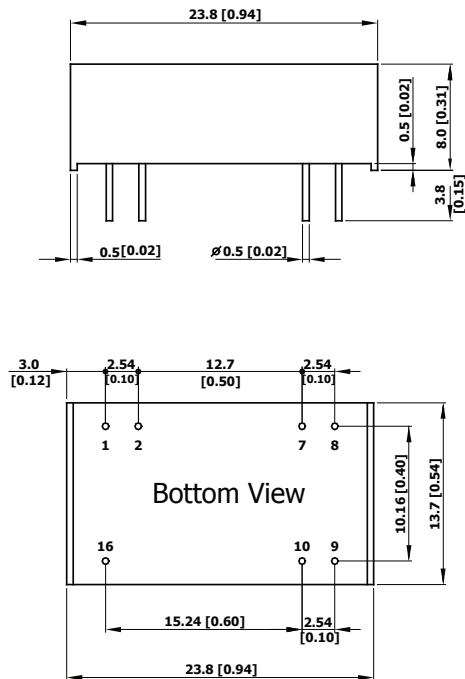
Operating ambient temperature range	-40 °C to +85 °C
Storage temperature	-50 °C to +125 °C
Humidity	5% to 95% non-condensing
MTBF	300 Khrs calculated

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

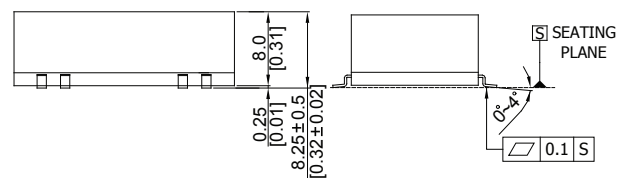
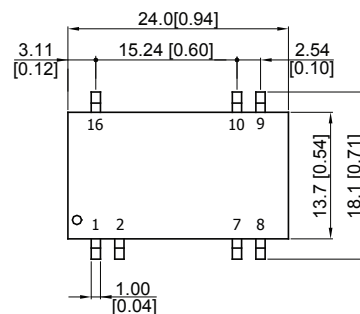
Mechanical Dimensions

ATAxxx-L (DIP)



- All dimensions in mm (inches)
- Tolerance: $X.X \pm 0.25$ ($X.XX \pm 0.01$)
 $X.XX \pm 0.13$ ($X.XXX \pm 0.005$)
- 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

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