

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

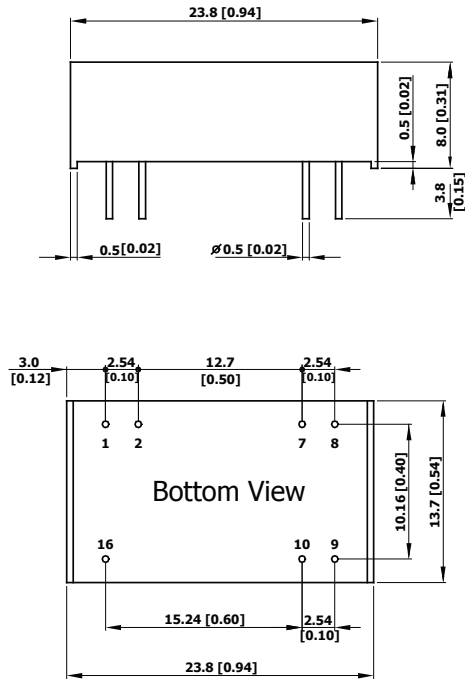
| | |
|-------------------------------------|--------------------------|
| Operating ambient temperature range | -40 °C to +85 °C |
| Storage temperature | -50 °C to +125 °C |
| Humidity | 5% to 95% non-condensing |
| MTBF | 300 Khrs calculated |

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 |
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| 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 |

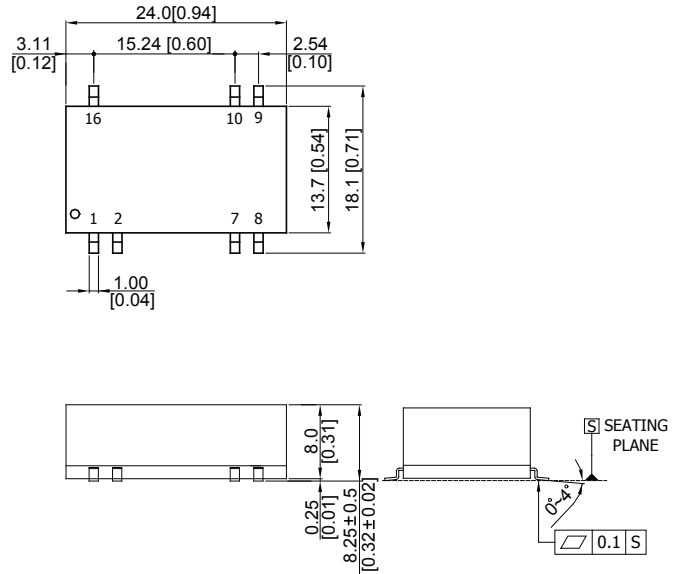
Mechanical Dimensions

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 |

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