

Data Sheet

Total Power: 6 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 |

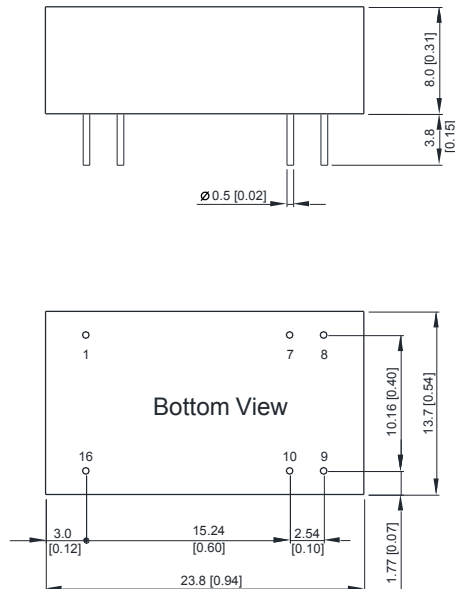
Environmental Specifications

| | |
|-------------------------------------|--------------------------|
| 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 |
|-------------|---------------|----------------|----------------|------------|-------|
| ATA01F18-L | 9-36 Vdc | 3.3 V | 1200 mA | 78% | 4 W |
| ATA01A18-L | 9-36 Vdc | 5 V | 1200 mA | 82% | 6 W |
| ATA01B18-L | 9-36 Vdc | 12 V | 500 mA | 85% | 6 W |
| ATA01C18-L | 9-36 Vdc | 15 V | 400 mA | 85% | 6 W |
| ATA01H18-L | 9-36 Vdc | 24 V | 250 mA | 86% | 6 W |
| ATA01BB18-L | 9-36 Vdc | ±12 V | 250 mA | 85% | 6 W |
| ATA01CC18-L | 9-36 Vdc | ±15 V | 200 mA | 86% | 6 W |
| ATA01F36-L | 18-75 Vdc | 3.3 V | 1200 mA | 78% | 4 W |
| ATA01A36-L | 18-75 Vdc | 5 V | 1200 mA | 82% | 6 W |
| ATA01B36-L | 18-75 Vdc | 12 V | 500 mA | 85% | 6 W |
| ATA01C36-L | 18-75 Vdc | 15 V | 400 mA | 85% | 6 W |
| ATA01H36-L | 18-75 Vdc | 24 V | 250 mA | 86% | 6 W |
| ATA01BB36-L | 18-75 Vdc | ± 12 V | 250 mA | 85% | 6 W |
| ATA01CC36-L | 18-75 Vdc | ± 15 V | 200 mA | 86% | 6 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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