

Data Sheet

Total Power: 10 W
Input Voltage: 24 or 48 Vin
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 +80 °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	88% @ 24 Vo
Output	
Output voltage	5V, 12V, 15V, 24V, ±12V, ±15V
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

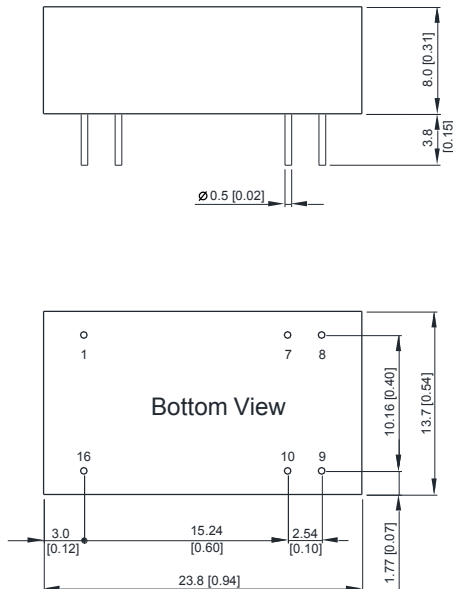
Environmental Specifications

Operating ambient temperature range	-40 °C to +80 °C
Storage temperature	-50 °C to +125 °C
Humidity	5% to 95% non-condensing
MTBF	2538 Khrs calculated (Mil-HDBK-217F@25C ground benign)

Ordering Information

Part Number	Input Voltage	Output Voltage	Output Current	Efficiency	Power
ATA03F18-L	9-36 Vdc	3.3 V	2700 mA	80%	8.9 W
ATA03A18-L	9-36 Vdc	5 V	2000 mA	83%	10 W
ATA03B18-L	9-36 Vdc	12 V	833 mA	87%	10 W
ATA03C18-L	9-36 Vdc	15 V	666 mA	88%	10 W
ATA03H18-L	9-36 Vdc	24 V	416 mA	88%	10 W
ATA03BB18-L	9-36 Vdc	±12 V	±416 mA	87%	10 W
ATA03CC18-L	9-36 Vdc	±15 V	±333 mA	87%	10 W
ATA03F36-L	18-75 Vdc	3.3 V	2700 mA	80%	8.9 W
ATA03A36-L	18-75 Vdc	5 V	2000 mA	83%	10 W
ATA03B36-L	18-75 Vdc	12 V	833 mA	87%	10 W
ATA03C36-L	18-75 Vdc	15 V	666 mA	88%	10 W
ATA03H36-L	18-75 Vdc	24 V	416 mA	88%	10 W
ATA03BB36-L	18-75 Vdc	± 12 V	±416 mA	87%	10 W
ATA03CC36-L	18-75 Vdc	± 15 V	±333 mA	87%	10 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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