



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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

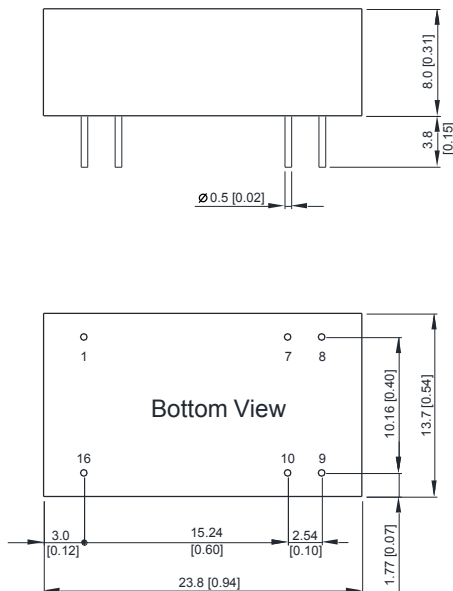
Environmental Specifications

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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