



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:** 10 W  
**Input Voltage:** 24 or 48 V  
**# of Outputs:** Single and Dual

### SPECIAL FEATURES

- Package size 1.0" x 1.0" x 0.4"
- Ultra-wide 4:1 input range:  
9 - 36 V<sub>in</sub>, 18 - 75 V<sub>in</sub>
- Very high efficiency up to 87%
- Operating temperature range:  
-40 °C to +85 °C
- I/O isolation voltage 1500 VDC
- Remote ON/OFF control
- Metal case with isolated baseplate
- CSA/UL/IEC/EN 60950-1  
Safety Approval

### SAFETY

- cUL/UL 60950-1
- IEC/EN 60950-1



### Electrical Specifications

Input	
Input range	9 - 36 Vdc, 18 - 75 Vdc
Efficiency	87% @ 12 V <sub>o</sub>
Output	
Voltage tolerance	±2.0%
Line regulation	±0.3%
Load regulation	±0.5%
Noise/ripple	100 mV
Overload protection	150% typ of I <sub>o</sub> max, hiccup
Short circuit protection	Hiccup mode
Switching frequency	450 kHz
Isolation	
I/O isolation	I/O: 1500 Vdc
Insulation resistance	1000 Mohm
Insulation capacitance	1500 pF

### Environmental Specifications

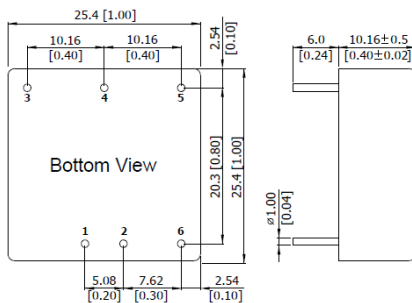
<b>Operating ambient temperature range</b>	-40 °C to +85 °C
<b>Storage temperature</b>	-50 °C to +125 °C
<b>Humidity</b>	5% to 95% non-condensing
<b>MTBF</b>	350 Khrs calculated



## Ordering Information

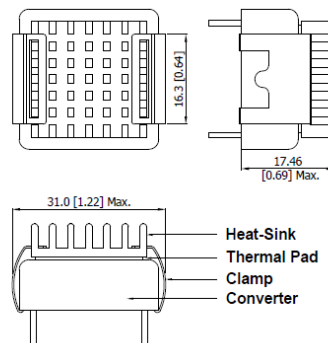
Part Number	Input Voltage	Output Voltage	Output Current	Efficiency	Max Output Cap	Power
AXA02F18-L	9 - 36 Vdc	3.3 V	2.2 A	86%	560 $\mu$ F	7.2 W
AXA02A18-L	9 - 36 Vdc	5 V	2 A	84%	560 $\mu$ F	10 W
AXA00B18-L	9 - 36 Vdc	12 V	0.83 A	86%	150 $\mu$ F	10 W
AXA00C18-L	9 - 36 Vdc	15 V	0.66 A	87%	150 $\mu$ F	10 W
AXA000H18-L	9 - 36 Vdc	24 V	0.41 A	86%	68 $\mu$ F	10 W
AXA00AA18-L	9 - 36 Vdc	$\pm$ 5 V	$\pm$ 1 A	84%	220 $\mu$ F	10 W
AXA000BB18-L	9 - 36 Vdc	$\pm$ 12 V	$\pm$ 0.41 A	86%	100 $\mu$ F	10 W
AXA000CC18-L	9 - 36 Vdc	$\pm$ 15 V	$\pm$ 0.33 A	87%	100 $\mu$ F	10 W
AXA02F36-L	18 - 75 Vdc	3.3 V	2.2 A	85%	560 $\mu$ F	7.2 W
AXA02A36-L	18 - 75 Vdc	5 V	2 A	84%	560 $\mu$ F	10 W
AXA00B36-L	18 - 75 Vdc	12 V	0.83 A	86%	150 $\mu$ F	10 W
AXA00C36-L	18 - 75 Vdc	15 V	0.66 A	87%	150 $\mu$ F	10 W
AXA000H36-L	18 - 75 Vdc	24 V	0.41 A	86%	68 $\mu$ F	10 W
AXA00AA36-L	18 - 75 Vdc	$\pm$ 5 V	$\pm$ 1 A	84%	220 $\mu$ F	10 W
AXA000BB36-L	18 - 75 Vdc	$\pm$ 12 V	$\pm$ 0.41 A	86%	100 $\mu$ F	10 W
AXA000CC36-L	18 - 75 Vdc	$\pm$ 15 V	$\pm$ 0.33 A	87%	100 $\mu$ F	10 W

## Mechanical Dimensions



- 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 diameter  $\varnothing$  1.0  $\pm$ 0.05 (0.04 $\pm$ 0.002)

### Heatsink (Option -HS)



### Pin Connections

Pin	Single Output	Dual Output
1	+Vin	+Vin
2	-Vin	-Vin
3	+Vout	+Vout
4	No pin	Common
5	-Vout	-Vout
6	Remote On/Off	Remote On/Off

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