

**ELECTRICAL SPECIFICATIONS**

Input	
Input range	9 - 36 Vdc, 18 - 75 Vdc
Efficiency	87% @ 12 Vo
Output	
Voltage tolerance	±2.0%
Line regulation	±0.3%
Load regulation	±0.5%
Noise/ripple	100 mV
Overload protection	150% typ of Io 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

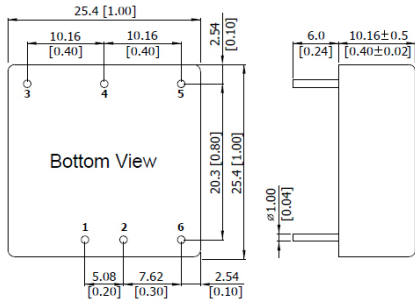
**ENVIRONMENTAL SPECIFICATIONS**

Operating ambient temperature range	-40 °C to +80 °C
Storage temperature	-50 °C to +125 °C
Humidity	5% to 95% non-condensing
MTBF	350 Khrs calculated

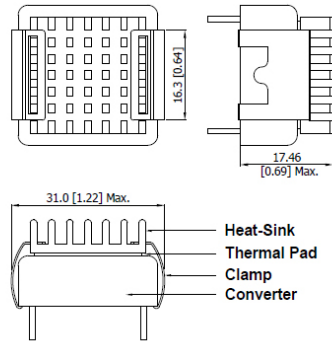
ORDERING INFORMATION

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 μF	7.2 W
AXA02A18-L	9 - 36 Vdc	5 V	2 A	84%	560 μF	10 W
AXA00B18-L	9 - 36 Vdc	12 V	0.83 A	86%	150 μF	10 W
AXA00C18-L	9 - 36 Vdc	15 V	0.66 A	87%	150 μF	10 W
AXA000H18-L	9 - 36 Vdc	24 V	0.41 A	86%	68 μF	10 W
AXA00AA18-L	9 - 36 Vdc	±5 V	±1 A	84%	220 μF	10 W
AXA000BB18-L	9 - 36 Vdc	±12 V	±0.41 A	86%	100 μF	10 W
AXA000CC18-L	9 - 36 Vdc	±15 V	±0.33 A	87%	100 μF	10 W
AXA02F36-L	18 - 75 Vdc	3.3 V	2.2 A	85%	560 μF	7.2 W
AXA02A36-L	18 - 75 Vdc	5 V	2 A	84%	560 μF	10 W
AXA00B36-L	18 - 75 Vdc	12 V	0.83 A	86%	150 μF	10 W
AXA00C36-L	18 - 75 Vdc	15 V	0.66 A	87%	150 μF	10 W
AXA000H36-L	18 - 75 Vdc	24 V	0.41 A	86%	68 μF	10 W
AXA00AA36-L	18 - 75 Vdc	±5 V	±1 A	84%	220 μF	10 W
AXA000BB36-L	18 - 75 Vdc	±12 V	±0.41 A	86%	100 μF	10 W
AXA000CC36-L	18 - 75 Vdc	±15 V	±0.33 A	87%	100 μF	10 W

MECHANICAL DIMENSIONS



Heatsink (Option -HS)



- All dimensions in mm (inches)
- Tolerance: X.X±0.25 (X.XX±0.01)  
X.XX±0.13 (X.XXX±0.005)
- Pin diameter Ø 1.0 ±0.05 (0.04±0.002)

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



For international contact information,  
visit [advancedenergy.com](http://advancedenergy.com).

[powersales@aei.com](mailto:powersales@aei.com) (Sales Support)  
[productsupport.ep@aei.com](mailto:productsupport.ep@aei.com) (Technical Support)  
+1 888 412 7832

## ABOUT ADVANCED ENERGY

Advanced Energy (AE) has devoted more than three decades to perfecting power for its global customers. AE designs and manufactures highly engineered, precision power conversion, measurement and control solutions for mission-critical applications and processes.

Our products enable customer innovation in complex applications for a wide range of industries including semiconductor equipment, industrial, manufacturing, telecommunications, data center computing, and medical. With deep applications know-how and responsive service and support across the globe, we build collaborative partnerships to meet rapid technological developments, propel growth for our customers, and innovate the future of power.

PRECISION | POWER | PERFORMANCE

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