POWER

AXA Series

20 Watts

Data Sheet

Total Power: 20 W
Input Voltage: 24 or 48 V
# of Outputs: Single and Dual



RoHS

SPECIAL FEATURES

- Package size 1.0” x 1.0” x 0.4”
- Ultra-wide 4:1 input range: 9 - 36 Vin, 18 - 75 Vin
- Very high efficiency up to 90%
- Operating temperature range: -40 °C to +85 °C
- Output voltage adjustable
- 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:	89% @ 12 Vo
Output	
Voltage tolerance:	±1.0%
Line regulation:	±0.2% for single output, ±0.5% for dual output
Load regulation:	±0.2% for 12 V, 15 V and 24 V, ±0.5% for 3.3 V and 5 V. ±1.0% for dual output
Noise/ripple:	3.3 V and 5 V Models: 75 mV; 12 V and 15 V Models: 100 mV; 24 V Models: 150 mV; Dual Output Models: 100 mV
Overload protection:	150% typ of Io max, hiccup
Short circuit protection:	Hiccup mode
Switching frequency	330 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 +85 °C
Storage temperature:	-50 °C to +125 °C
Humidity:	5% to 95% non-condensing
MTBF:	346 Khrs calculated

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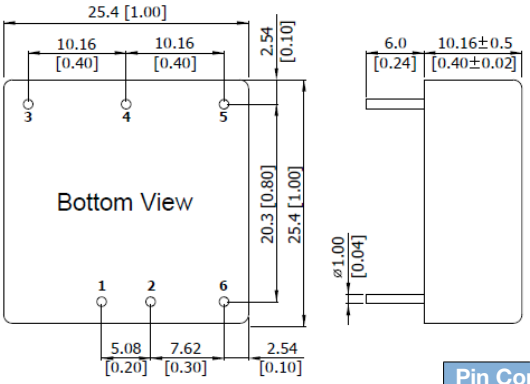
EMBEDDED TECHNOLOGIES

Ordering Information

Part Number	Input Voltage	Output Voltage	Output Current	Efficiency	Power
AXA04F18-L	9 - 36 Vdc	3 V3	4.5 A	87%	15 W
AXA04A18-L	9 - 36 Vdc	5 V	4 A	89%	20 W
AXA01B18-L	9 - 36 Vdc	12 V	1.67 A	89%	20 W
AXA01C18-L	9 - 36 Vdc	15 V	1.33 A	89%	20 W
AXA00H18-L	9 - 36 Vdc	24 V	0.835 A	88%	20 W
AXA00BB18-L	9 - 36 Vdc	±12 V	±0.835 A	89%	20 W
AXA00CC18-L	9 - 36 Vdc	±15 V	±0.67 A	89%	20 W
AXA04F36-L	18 - 75 Vdc	3 V3	4.5 A	88%	15 W
AXA04A36-L	18 - 75 Vdc	5 V	4 A	89%	20 W
AXA01B36-L	18 - 75 Vdc	12 V	1.67 A	89%	20 W
AXA01C36-L	18 - 75 Vdc	15 V	1.33 A	89%	20 W
AXA00H36-L	18 - 75 Vdc	24 V	0.835 A	88%	20 W
AXA00BB36-L	18 - 75 Vdc	±12 V	±0.835 A	89%	20 W
AXA00CC36-L	18 - 75 Vdc	±15 V	±0.67 A	89%	20 W

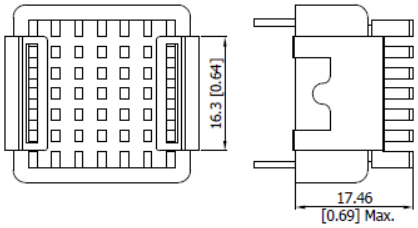
To order the converter with heatsink, please add a suffix –HS (e.g. AXA01B36-LHS) to order code.

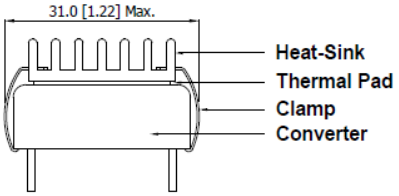
Mechanical Dimensions



- 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)

Heatsink (Option –HS)





Pin Connections		
Pin	**Single Output**	**Dual Output**
1	+Vin	+Vin
2	-Vin	-Vin
3	+Vout	+Vout
4	Trim	Common
5	-Vout	-Vout
6	Remote On/Off	Remote On/Off

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