

AXA Series

25 Watts

Data Sheet

Total Power: 25 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_{in}, 18 - 75 V_{in}
- Very high efficiency up to 90%
- Operating temperature range:
-40 °C to +85 °C (with derating)
- 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	90% @ 12 Vo
Output	
Voltage tolerance	±2.0%
Line regulation	±0.2%
Load regulation	±1.0%
Noise/ripple	150 mV
Overload protection	150% typ of I _o max, hiccup
Short circuit protection	Hiccup mode
Switching frequency	285 KHz
Isolation	
I/O isolation	I/O: 1500 Vdc
Insulation resistance	1000 Mohm
Insulation capacitance	2000 pF

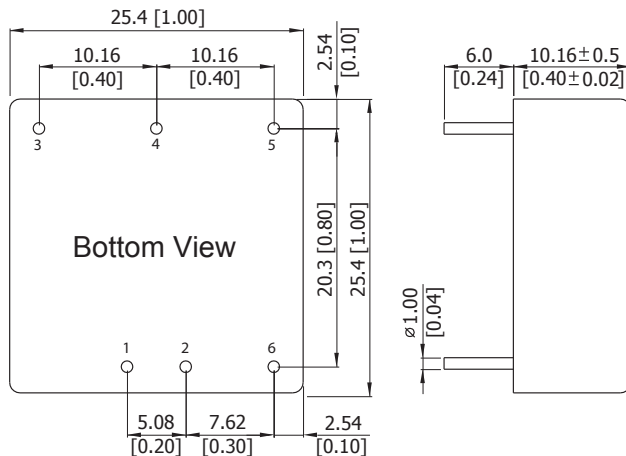
Environmental Specifications

Operating ambient temperature range	-40 °C to +85 °C
Storage temperature	-50 °C to +125 °C
Humidity	5% to 95% non-condensing
MTBF	444 Khrs calculated

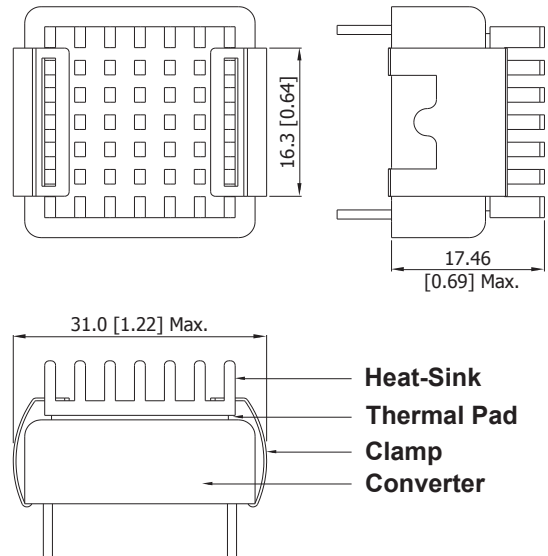
Ordering Information

Part Number	Input Voltage	Output Voltage	Output Current	Efficiency	Max Out Cap	Power
AXA06F18-L	9 - 36 Vdc	3.3 V	6 A	87%	10300 μ F	19.8 W
AXA05A18-L	9 - 36 Vdc	5 V	5 A	89%	6800 μ F	25 W
AXA02B18-L	9 - 36 Vdc	12 V	2.09 A	89%	1200 μ F	25 W
AXA02C18-L	9 - 36 Vdc	15 V	1.67 A	90%	750 μ F	25 W
AXA01BB18-L	9 - 36 Vdc	\pm 12 V	\pm 1.04 A	89%	680 μ F	25 W
AXA01CC18-L	9 - 36 Vdc	\pm 15 V	\pm 0.84 A	89%	380 μ F	25 W
AXA06F36-L	18 - 75 Vdc	3.3 V	6 A	88%	10300 μ F	19.8 W
AXA05A36-L	18 - 75 Vdc	5 V	5 A	90%	6800 μ F	25 W
AXA02B36-L	18 - 75 Vdc	12 V	2.09 A	90%	1200 μ F	25 W
AXA02C36-L	18 - 75 Vdc	15 V	1.67 A	90%	750 μ F	25 W
AXA01BB36-L	18 - 75 Vdc	\pm 12 V	\pm 1.04 A	89%	680 μ F	25 W
AXA01CC36-L	18 - 75 Vdc	\pm 15 V	\pm 0.84 A	89%	380 μ F	25 W

Mechanical Dimensions



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



- All dimensions in mm (inches)
- Tolerance: X.X \pm 0.5 (X.XX \pm 0.02)
X.XX \pm 0.25 (X.XXX \pm 0.01)
- Pin diameter \varnothing 1.0 \pm 0.05 (0.04 \pm 0.002)

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