

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 Vin, 18 - 75 Vin
- 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

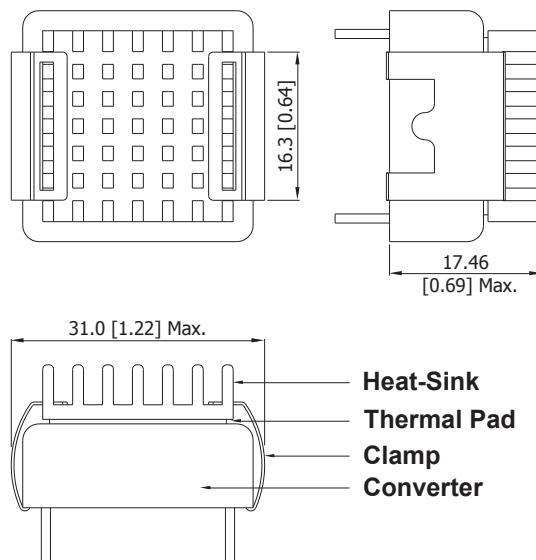
Input	
Input range	9 - 36 Vdc, 18 - 75 Vdc
Efficiency	90% @ 12 Vo
Output	
Voltage tolerance	±2.0%
Line regulation	±0.2%
Load regulation	±1.0%
Noise/ripple	150 mV
Overload protection	150% typ of Io max, hiccup
Short circuit protection	Hiccup mode
Switching frequency	285 KHz
Isolation	
I/O isolation	I/O: 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

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 µF	19.8 W
AXA05A18-L	9 - 36 Vdc	5 V	5 A	89%	6800 µF	25 W
AXA02B18-L	9 - 36 Vdc	12 V	2.09 A	89%	1200 µF	25 W
AXA02C18-L	9 - 36 Vdc	15 V	1.67 A	90%	750 µF	25 W
AXA01BB18-L	9 - 36 Vdc	±12 V	±1.04 A	89%	680 µF	25 W
AXA01CC18-L	9 - 36 Vdc	±15 V	±0.84 A	89%	380 µF	25 W
AXA06F36-L	18 - 75 Vdc	3.3 V	6 A	88%	10300 µF	19.8 W
AXA05A36-L	18 - 75 Vdc	5 V	5 A	90%	6800 µF	25 W
AXA02B36-L	18 - 75 Vdc	12 V	2.09 A	90%	1200 µF	25 W
AXA02C36-L	18 - 75 Vdc	15 V	1.67 A	90%	750 µF	25 W
AXA01BB36-L	18 - 75 Vdc	±12 V	±1.04 A	89%	680 µF	25 W
AXA01CC36-L	18 - 75 Vdc	±15 V	±0.84 A	89%	380 µF	25 W

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 ± 0.002)

ARTESYNTM
EMBEDDED TECHNOLOGIES

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