

## 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<sub>in</sub>, 18 - 75 V<sub>in</sub>
- 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 V <sub>o</sub>
Output	
Voltage tolerance	±2.0%
Line regulation	±0.2%
Load regulation	±1.0%
Noise/ripple	150 mV
Overload protection	150% typ of I <sub>o</sub> 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

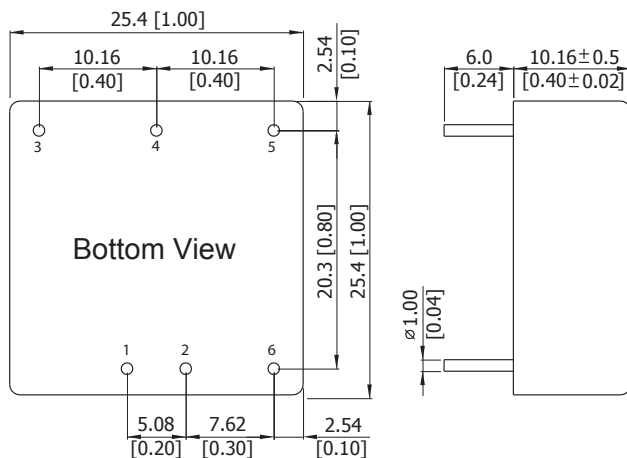
### Environmental Specifications

<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>	444 Khrs calculated

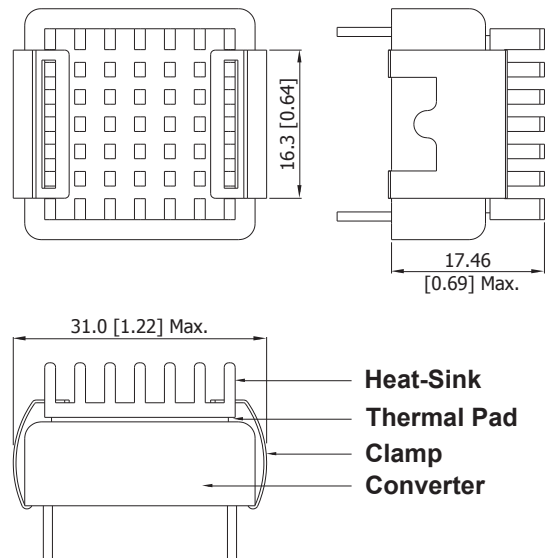
## Ordering Information

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