

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 V_{dc}
- 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 V _{dc} , 18 - 75 V _{dc} |
| Efficiency | 90% @ 12 V _o |
| 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 V _{dc} |
| Insulation resistance | 1000 Mohm |
| Insulation capacitance | 2000 pF |

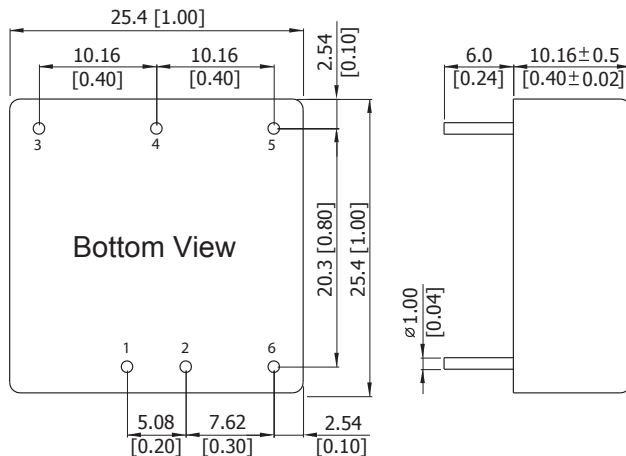
Environmental Specifications

| | |
|--|--------------------------|
| 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 |

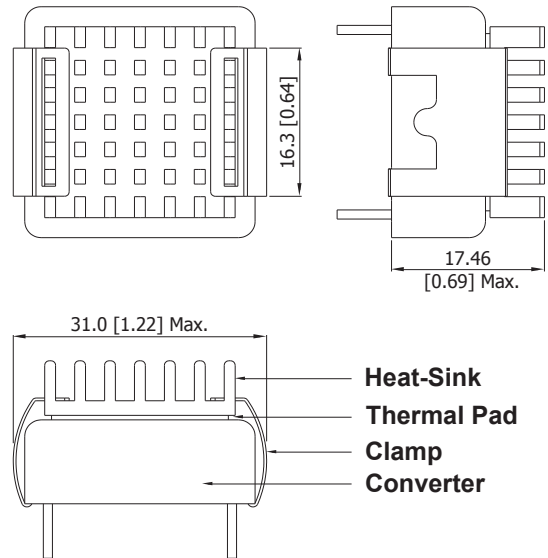
Ordering Information

| 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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