

AXA Series

10 Watts

Data Sheet

Total Power: 10 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 87%
- 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	87% @ 12 Vo
Output	
Voltage tolerance	±2.0%
Line regulation	±0.3%
Load regulation	±0.5%
Noise/ripple	100 mV
Overload protection	150% typ of Io max, hiccup
Short circuit protection	Hiccup mode
Switching frequency	450 kHz
Isolation	
I/O isolation	I/O: 1500 Vdc
Insulation resistance	1000 Mohm
Insulation capacitance	1500 pF

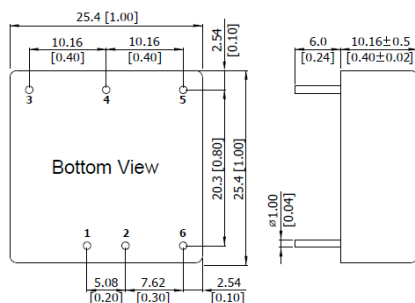
Environmental Specifications

Operating ambient temperature range	-40 °C to +85 °C
Storage temperature	-50 °C to +125 °C
Humidity	5% to 95% non-condensing
MTBF	350 Khrs calculated

Ordering Information

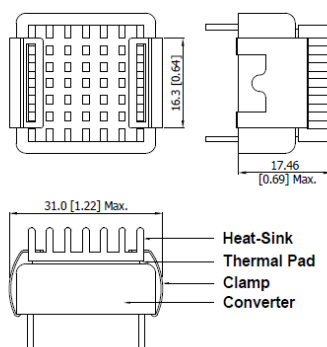
Part Number	Input Voltage	Output Voltage	Output Current	Efficiency	Max Output Cap	Power
AXA02F18-L	9 - 36 Vdc	3.3 V	2.2 A	86%	560 μ F	7.2 W
AXA02A18-L	9 - 36 Vdc	5 V	2 A	84%	560 μ F	10 W
AXA00B18-L	9 - 36 Vdc	12 V	0.83 A	86%	150 μ F	10 W
AXA00C18-L	9 - 36 Vdc	15 V	0.66 A	87%	150 μ F	10 W
AXA000H18-L	9 - 36 Vdc	24 V	0.41 A	86%	68 μ F	10 W
AXA00AA18-L	9 - 36 Vdc	± 5 V	± 1 A	84%	220 μ F	10 W
AXA000BB18-L	9 - 36 Vdc	± 12 V	± 0.41 A	86%	100 μ F	10 W
AXA000CC18-L	9 - 36 Vdc	± 15 V	± 0.33 A	87%	100 μ F	10 W
AXA02F36-L	18 - 75 Vdc	3.3 V	2.2 A	85%	560 μ F	7.2 W
AXA02A36-L	18 - 75 Vdc	5 V	2 A	84%	560 μ F	10 W
AXA00B36-L	18 - 75 Vdc	12 V	0.83 A	86%	150 μ F	10 W
AXA00C36-L	18 - 75 Vdc	15 V	0.66 A	87%	150 μ F	10 W
AXA000H36-L	18 - 75 Vdc	24 V	0.41 A	86%	68 μ F	10 W
AXA00AA36-L	18 - 75 Vdc	± 5 V	± 1 A	84%	220 μ F	10 W
AXA000BB36-L	18 - 75 Vdc	± 12 V	± 0.41 A	86%	100 μ F	10 W
AXA000CC36-L	18 - 75 Vdc	± 15 V	± 0.33 A	87%	100 μ F	10 W

Mechanical Dimensions



- All dimensions in mm (inches)
- Tolerance: X.X $\pm$ 0.25 (X.XX $\pm$ 0.01)
X.XX $\pm$ 0.13 (X.XXX $\pm$ 0.005)
- Pin diameter $\varnothing$ 1.0 $\pm$ 0.05 (0.04 $\pm$ 0.002)

Heatsink (Option -HS)



Pin Connections

Pin	Single Output	Dual Output
1	+Vin	+Vin
2	-Vin	-Vin
3	+Vout	+Vout
4	No pin	Common
5	-Vout	-Vout
6	Remote On/Off	Remote On/Off

WORLDWIDE OFFICES

Americas

2900 S.Diablo Way
Tempe, AZ 85282
USA
+1 888 412 7832

Europe (UK)

Waterfront Business Park
Merry Hill, Dudley
West Midlands, DY5 1LX
United Kingdom
+44 (0) 1384 842 211

Asia (HK)

14/F, Lu Plaza
2 Wing Yip Street
Kwun Tong, Kowloon
Hong Kong
+852 2176 3333

ARTESYN
EMBEDDED TECHNOLOGIES

www.artesyn.com

Artesyn Embedded Technologies, Artesyn and the Artesyn Embedded Technologies logo are trademarks and service marks of Artesyn Embedded Technologies, Inc. All other names and logos referred to are trade names, trademarks, or registered trademarks of their respective owners. © 2016 Artesyn Embedded Technologies, Inc. All rights reserved. For full legal terms and conditions, please visit www.artesyn.com/legal.

For more information: www.artesyn.com/power
For support: productsupport.ep@artesyn.com