

Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Artesyn Embedded Technologies](#)
[AET00BB18-L](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

POWER

AET Series 20 Watts

Data Sheet

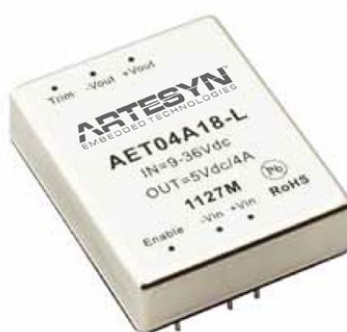
Total Power: 20 Watts
Input Voltage: 12, 24 or 48 V
of Outputs: Single, Dual

SPECIAL FEATURES

- Encapsulated
- 4:1 input range
- 1.6" x 2" package
- 1500 Vdc I/O isolation
- Single and Dual output
- Remote on/off
- Adjustable output
- Conducted noise: meets EN 55022 class A, FCC level A

SAFETY

- CE Mark



Electrical Specifications

Input	
Input range	9 - 36 VDC; 18 - 75 VDC
Efficiency	85% @ 12 Vo
Output	
Voltage tolerance	< 1.6%
Line regulation	±0.5%
Load regulation	Single output: ±0.5%; Dual output: ±2.0%
Noise/ripple	All models: 100 mV
Short circuit protection	Auto-restart
Overvoltage protection	115 - 130% nominal output
Switching frequency	300 KHz
Temperature co-efficient	±0.02% / °C
Isolation	
I/O isolation	1500 VDC min
Insulation resistance	10 Mohm
Insulation capacitance	1000 pF

Environmental Specifications

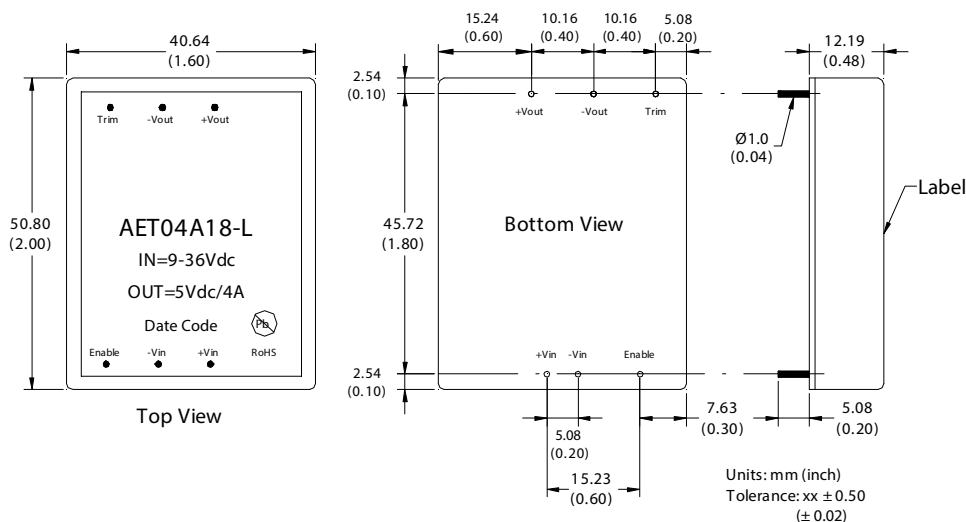
Operating ambient temperature range	-40 °C to +71 °C
Storage temperature	-55 °C to +105 °C
Humidity	5% to 95% non-condensing
MTBF	850 Khrs calculated

AET 20 W Series Data Sheet
Ordering Information

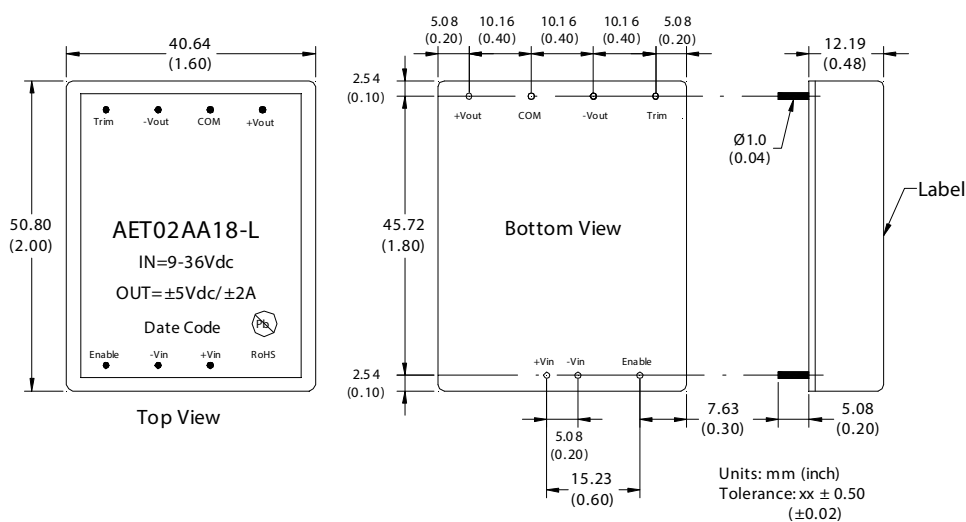
Model Number	Input Voltage	Output Voltage 1	Output Voltage 2	Maximum Power
AET06G18-L	9 - 36 V	2.5 V @ 6 A		15 W
AET06F18-L	9 - 36 V	3.3 V @ 6 A		19.8 W
AET04A18-L	9 - 36 V	5 V @ 4 A		20 W
AET01B18-L	9 - 36 V	12 V @ 1.67 A		20 W
AET01C18-L	9 - 36 V	15 V @ 1.33 A		20 W
AET02AA18-L	9 - 36 V	5 V @ 2 A	-5 V @ 2 A	20 W
AET00BB18-L	9 - 36 V	12 V @ 0.835 A	-12 V @ 0.835 A	20 W
AET00CC18-L	9 - 36 V	15 V @ 0.665 A	-15 V @ 0.665 A	20 W
AET06G36-L	18 - 75 V	2.5 V @ 6 A		15 W
AET06F36-L	18 - 75 V	3.3 V @ 6 A		19.8 W
AET04A36-L	18 - 75 V	5 V @ 4 A		20 W
AET01B36-L	18 - 75 V	12 V @ 1.67 A		20 W
AET01C36-L	18 - 75 V	15 V @ 1.33 A		20 W
AET02AA36-L	18 - 75 V	5 V @ 2 A	-5 V @ 2 A	20 W
AET00BB36-L	18 - 75 V	12 V @ 0.835 A	-12 V @ 0.835 A	20 W
AET00CC36-L	18 - 75 V	15 V @ 0.665 A	-15 V @ 0.665 A	20 W

AET 20 W Series Data Sheet

Mechanical Drawing - Single Output



Mechanical Drawing - Dual Output



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

While every precaution has been taken to ensure accuracy and completeness in this literature, Artesyn Embedded Technologies assumes no responsibility, and disclaims all liability for damages resulting from use of this information or for any errors or omissions. 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.
© 2015 Artesyn Embedded Technologies, Inc.

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

AET 20W Series DS 18May2015