

AET Series 20 Watts

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 EN55022 class A, FCC level A

Safety

- CE Mark

Electrical Specifications

Input

Input range: 9 to 36 VDC; 18 to 75 VDC
Efficiency: 85% @ 12 Vo

Output

Voltage tolerance: < 1.6%
Line regulation: $\pm 0.5\%$
Load regulation: Single Output: $\pm 0.5\%$, Dual Output: $\pm 2.0\%$
Noise/ripple: All models: 100 mV
Short circuit protection: Auto-restart
Overvoltage protection: 115 - 130% nominal output
Switching frequency: 300KHz
Temperature coefficient: $\pm 0.2\% / ^\circ\text{C}$

Isolation

I/O isolation: 1500 VDC min
Insulation resistance: 10Mohms
Insulation capacitance: 1000pF

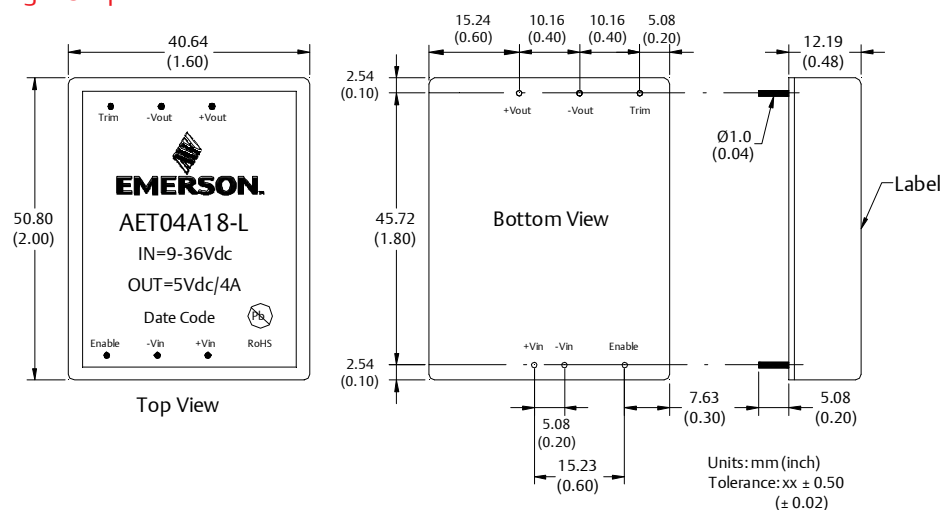
Environmental Specifications

Operating ambient temperature range: -40 °C to +71 °C (no derating)
Storage temperature: -55 °C to +105 °C
Humidity: 5% to 95% non-condensing
MTBF: 850Khrs calculated

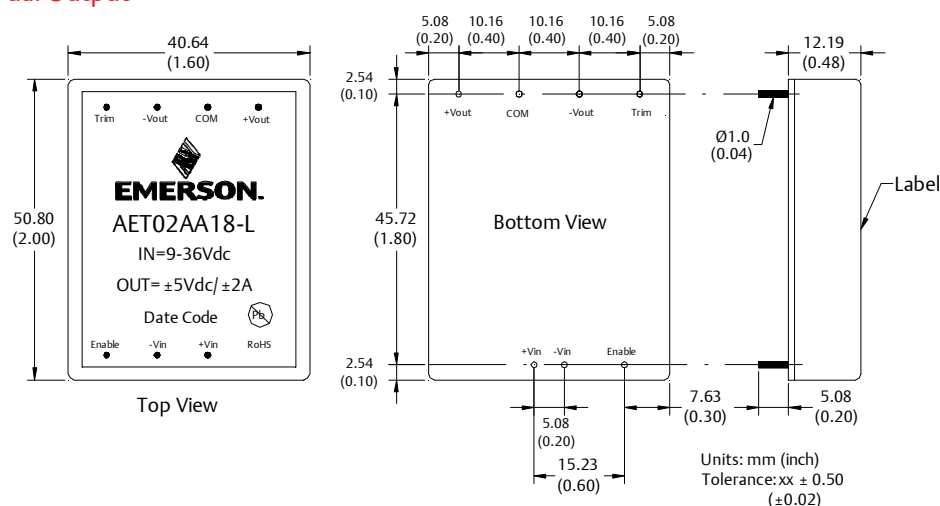
Ordering Information

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

Single Output



Dual Output



Americas

5810 Van Allen Way
Carlsbad, CA 92008
USA
Telephone: +1 760 930 4600
Facsimile: +1 760 930 0698

Europe (UK)

Waterfront Business Park
Merry Hill, Dudley
West Midlands, DY5 1LX
United Kingdom
Telephone: +44 (0) 1384 842 211
Facsimile: +44 (0) 1384 843 355

Asia (HK)

14/F, Lu Plaza
2 Wing Yip Street
Kwun Tong, Kowloon
Hong Kong
Telephone: +852 2176 3333
Facsimile: +852 2176 3888

For global contact, visit:

www.Emerson.com/EmbeddedPower
techsupport.embeddedpower@emerson.com

While every precaution has been taken to ensure accuracy and completeness in this literature, Emerson Network Power assumes no responsibility, and disclaims all liability for damages resulting from use of this information or for any errors or omissions.

Emerson Network Power.

The global leader in enabling business-critical continuity.

- AC Power
- Connectivity
- DC Power
- Embedded Computing
- Embedded Power**
- Monitoring
- Outside Plant
- Power Switching & Controls
- Precision Cooling
- Racks & Integrated Cabinets
- Services
- Surge Protection

EmersonNetworkPower.com

Emerson Network Power and the Emerson Network Power logo are trademarks and service marks of Emerson Electric Co.
©2011 Emerson Electric Co.