

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

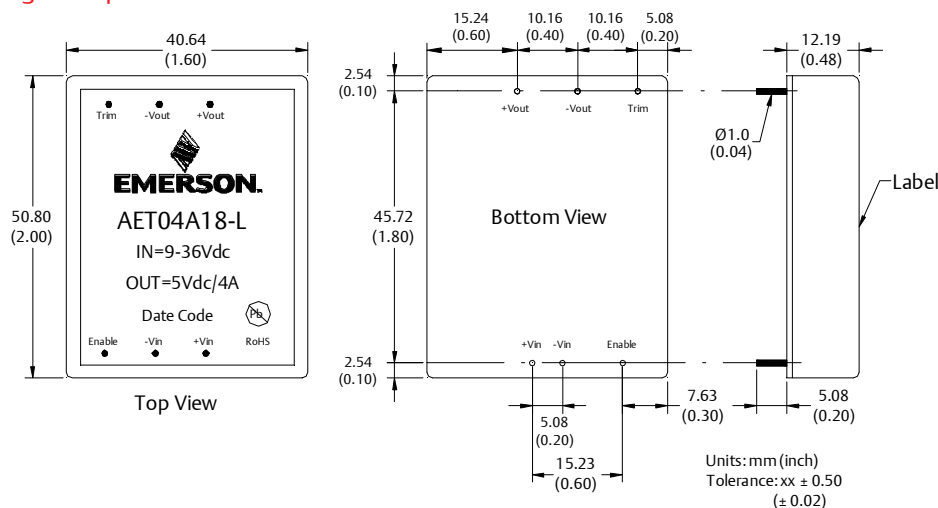
Environmental Specifications

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

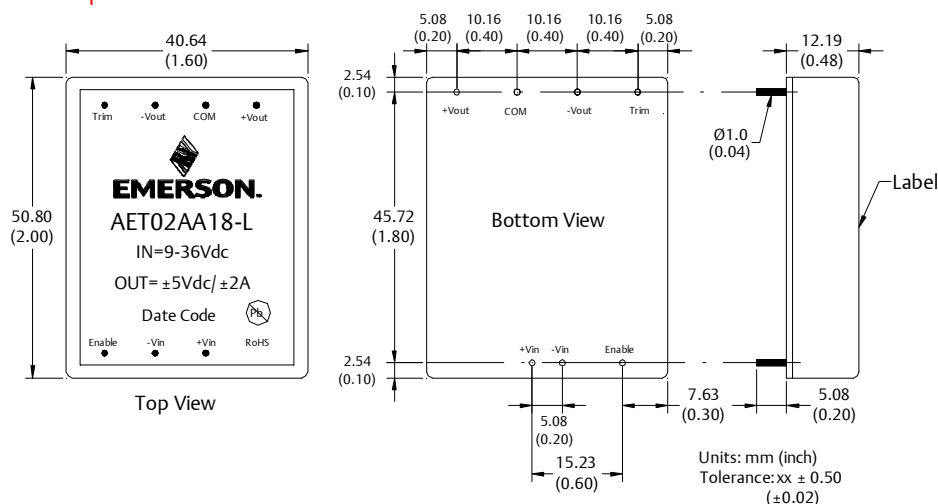
Ordering Information

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



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