

20 Watts

AET04

AET01-Dual



Total Power: 20 Watts
Input Voltages: 48V, 24V
No. of Outputs: Single, Dual

Electrical Specs

Input

Input range 9 to 36 VDC
36 to 72 VDC

Efficiency 83% typical (5V)

Output

Voltage tolerance $\pm 1\%$ max, $\pm 2\%$ (3.3V)
 Overall regulation $\pm 2\%$ max, $\pm 5\%$ (3.3V)
 Noise/ripple 50 mV P-P (3.3V, 5V)
80 mV P-P (>5Vout)
 Short circuit protection Continuous Power Cycle
 Transient response 250 usec typical (25% step load change to within 5%Vo)

Temperature Coefficient ± 0.02 °C

Switching frequency 280kHz

Isolation

I/O isolation 500 VDC
1500VDC (5V output only)

Special Features

- 20 W, Single and Dual output
- 24 and 48V Input
- Trim 90% to 110%
- Encapsulated
- 1.6" x 2.0" x 0.38 case
- Replaces AA20B series
- Industry standard package

Environmental

Operating base temperature range:

-25°C to +95°C (full load, no derating)

Storage temperature: -40°C to +105°C

Humidity: 5% to 95% (non-condensing)

MTBF: 2.4 Million hours (Bellcore TR332, Ta=25 Deg C)

Safety

UL UL1950 Recognition

CSA CSA22.2-950 Recognition

TUV EN60950 Certified

CE CE Mark

AMERICAS

5810 Van Allen Way
 Carlsbad, CA 92008
 Telephone: 760-930-4600
 Facsimile: 760-930-0698

EUROPE

Astec House, Waterfront Business Park
 Merry Hill, Dudley
 West Midlands, DY5 1LX, UK
 Telephone: 44 (1384) 842-211
 Facsimile: 44 (1384) 843-355

ASIA

Units 2111-2116, Level 21
 Tower1, Metroplaza
 223, Hing Fong Road
 Fwai Fong, New Territories
 Hong Kong
 Telephone: 852-2437-9662
 Facsimile: 852-2402-4426



AET

Ordering Information

Input Voltage	Output Voltage	Efficiency	Model Number
18-36 V	3.3 @ 4.0 A	80%	AET04F24
18-36 V	5.0 @ 4.0 A	83%	AET04A24
18-36 V	12.0 @ 1.67 A	86%	AET02B24
18-36 V	15.0 @ 1.33 A	87%	AET01C24
18-36 V	±5.0 @ ±2.0 A	83%	AET02AA24
18-36 V	±12.0 @ ±0.83 A	87%	AET01BB24
18-36 V	±15.0 @ ±0.67 A	87%	AET01CC24
36-72 V	3.3 @ 4.0 A	81%	AET04F48
36-72 V	5.0 @ 4.0 A	83%	AET04A48
36-72 V	12.0 @ 1.67 A	87%	AET02B48
36-72 V	15.0 @ 1.33 A	87%	AET01C48
Dual Output			
36-72 V	±5.0 @ ±2.0 A	83%	AET02AA48
36-72 V	±12.0 @ ±0.83 A	87%	AET01BB48
36-72 V	±15.0 @ ±0.67 A	87%	AET01CC48

NOTES:

Single output

