

10 Watts

AEE01-Dual

Total Power: 10 Watts
Input Voltages: 48V, 24V
No. of Outputs: Dual



Special Features

- 10 W, Dual output
- 2:1 Input range
- 1.0" x 2.0" x 0.33 case
- Industry standard package
- Low Profile
- Low Cost

Environmental

Operating base temperature range:

-25°C to +95°C

Storage temperature: -40°C to +105°C

MTBF: 2.7 Million Hours (Belcore TR332)

Safety

UL UL1950 Recognition

CSA CSA22.2-950 Recognition

TUV EN60950 Recognition

Electrical Specs

Input

Input range 18 to 36 VDC
36 to 72 VDC

Efficiency 79% typical ($\pm 5V$)

Output

Voltage tolerance $\pm 1.0\%$

Overall regulation $\pm 1\%$ max

Noise/ripple 1% (mV P-P)

Transient response 200 usec typical (50% step load change to within 5%Vo)

Temperature Regulation $\pm 0.02\% V_o / ^\circ C$

Switching frequency 330kHz

Isolation

I/O isolation 500 VDC

Isolation Resistance 300 Mohms

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ASIA

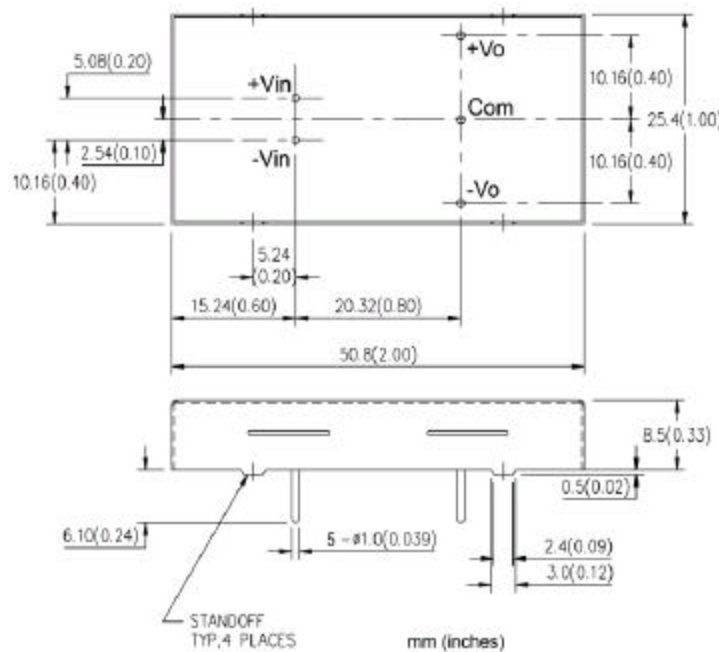
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Ordering Information

Input Voltage	Output Voltage	Efficiency	Model Number
18-36 V	±5V @ ±1.0 A	79%	AEE01AA24
18-36 V	±12V @ ±0.42 A	83%	AEE00BB24
18-36 V	±15V @ ±0.33 A	83%	AEE00CC24
36-72 V	±5V @ ±1.0 A	79%	AEE01AA48
36-72 V	±12V @ ±0.42 A	83%	AEE00BB48
36-72 V	±15V @ ±0.33 A	83%	AEE00CC48

Mechanical Dimensions and Pin Assignments



Notes:

- 20 MHz bandwidth. An external 0.1 uf ceramic capacitor is recommended to be placed from +V out to comm.
- All specifications are typical at nominal line, full load, and 25°C unless otherwise noted.
- All specifications subject to change without notice.
- Mechanical drawings are for reference only.