

10 Watts

AEE00-12Vin

Total Power: 10 Watts
Input Voltages: 12V
No. of Outputs: Single and 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 +100°C
Storage temperature: -40°C to +125°C
MTBF: 3 Million Hours (Belcore TR332)

Safety

UL UL1950 Recognition
CSA CSA22.2-950 Recognition
TUV EN60950 Recognition

Electrical Specs

Input

Input range 9 to 18 VDC
Efficiency 78% typical (3.3V)

Output

Voltage tolerance $\pm 1.0\%$
Overall regulation $\pm 1\%$ max
Noise/ripple 1% Typ, 2% Max
Transient response 300 usec typical (50% step load change to within 3%Vo)

Temperature Regulation $\pm 0.02\% \text{Vo}/^\circ\text{C}$

Switching frequency 330kHz

Isolation

I/O isolation 1500 VDC Input to Output
1000 VDC Input to Case
1000 VDC Output to Case

Isolation Resistance 300 Mohms

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Ordering Information

Input Voltage	Output Voltage	Efficiency	Model Number
9-18 V	3.3V @ 2.55 A	78%	AEE02F12-49
9-18 V	5.0V @ 2 A	81%	AEE02A12-49
9-18 V	12V @ 0.84 A	83%	AEE00B12-49
9-18 V	15V @ 0.68 A	84%	AEE00C12-49
9-18 V	±5V @ ±1.0 A	81%	AEE01AA12-4
9-18 V	±12V @ ±0.42 A	83%	AEE00BB12-4
9-18 V	±15V @ ±0.33 A	84%	AEE00CC12-4

NOTES:

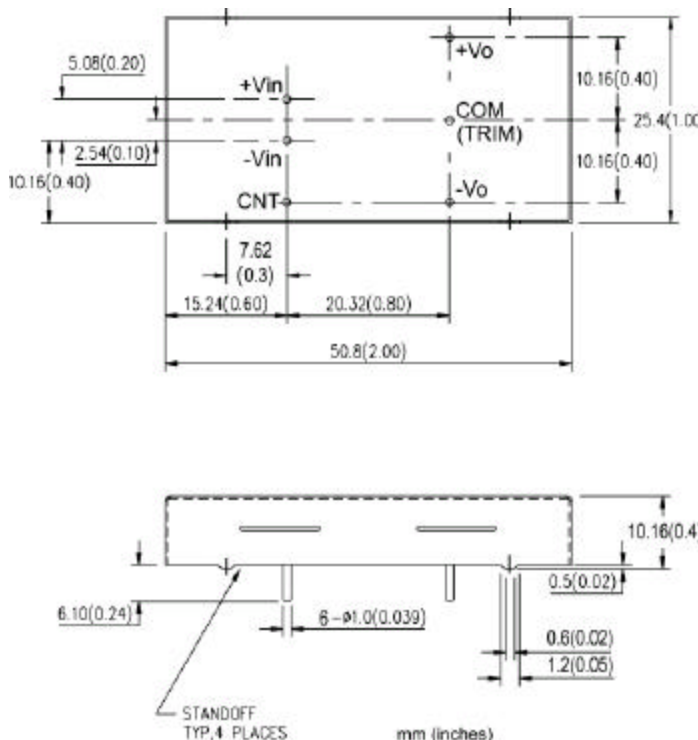
Enable Function

1. With the control pin floating (*no connection*), the unit is enabled and there is an output of 5V.
2. With the control pin Low (short to -Vin), the unit is enabled and there is an output of 5V.
3. With the control pin connected to an external logic signal (5V), the unit is disabled and there is no output.

Trim Feature

"9" at end of Model Number designates Trim option.

Mechanical Dimensions and Pin Assignments



Notes:

1. 20 MHz bandwidth. An external 0.1 uf ceramic capacitor is recommended to be placed from +V out to comm.
2. All specifications are typical at nominal line, full load, and 25°C unless otherwise noted.
3. All specifications subject to change without notice.
4. Mechanical drawings are for reference only.