

# 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:

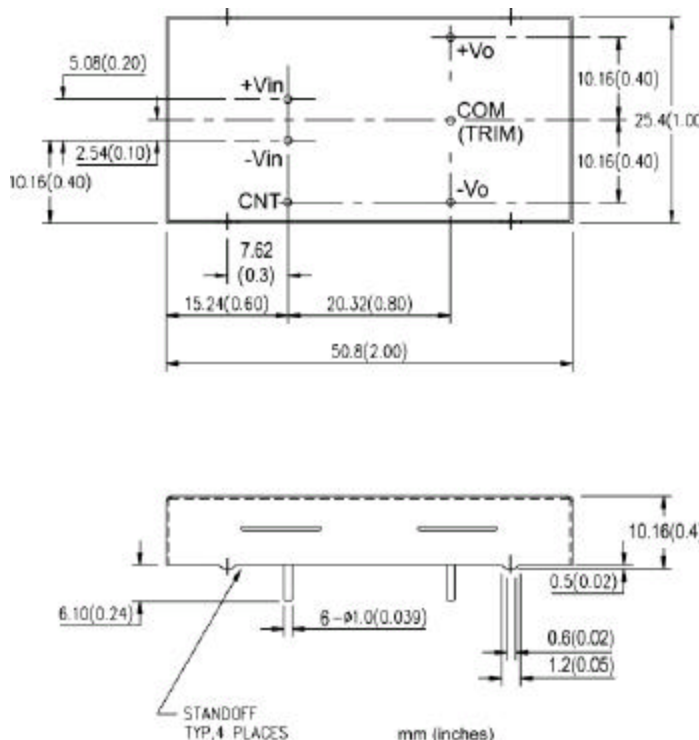
Enable Function

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.