

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:

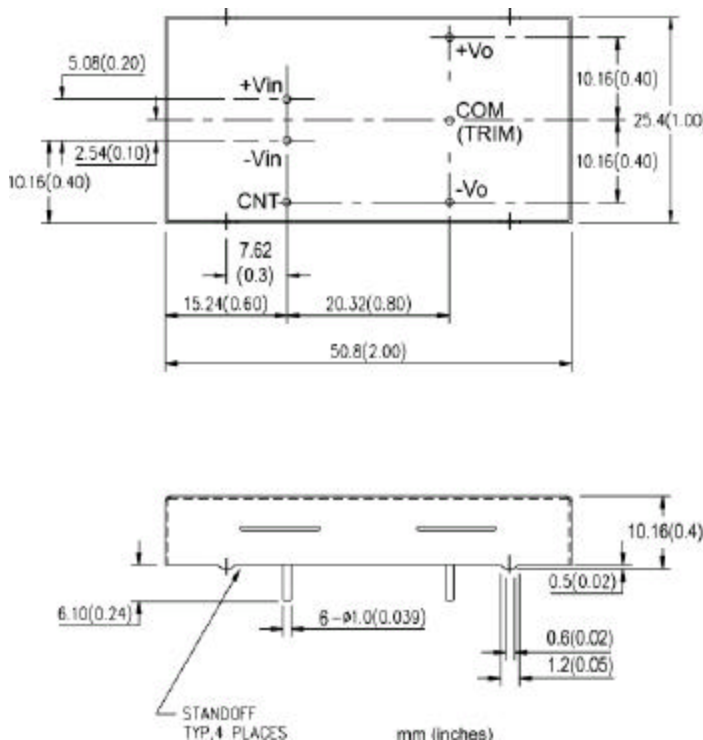
Enable Function

"4" = positive logic enable

Trim Feature

"9" = Trim feature

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.