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)

Electrical Specs

Input

Input range 9 to 18 VDC

Efficiency 78% typical (3.3V)

Output

Voltage tolerance ±1.0%
Overall regulation ±1% max
Noise/ripple 1% Typ, 2% Max

Transient response 300 usec typical (50% step load

change to within 3%Vo)

Temperature Regulation ±0.02 %Vo/°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

Safety

UL UL1950 Recognition

CSA CSA22.2-950 Recognition

TUV EN60950 Recognition



AMERICAS

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EUROPE

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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



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 |

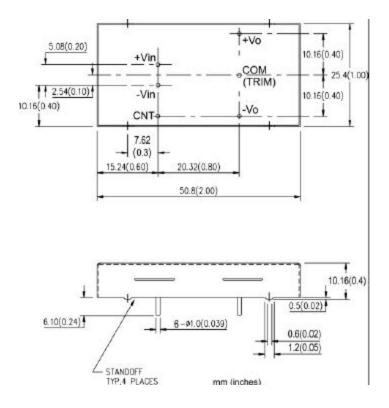
NOTES:

Enable Function

"4" = positive logic enable

<u>Trim Feature</u>
"9" = Trim feature

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.

