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	±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

North America (USA): 1-888-41-ASTEC Europe (UK): 44 (1384) 842-211Asia (HK): 852-2437-9662

AMERICAS
5810 Van Allen Way
Carlsbad, CA 92008
Telephone: 760-930-4600
Facsimile: 760-930-0698

EUROPE
Astec House, Waterfront Business Park
Merry Hill, Dudley
West Midlands, DY5 1LX, UK
Telephone: 44 (1384) 842-211
Facsimile: 44 (1384) 843-355

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

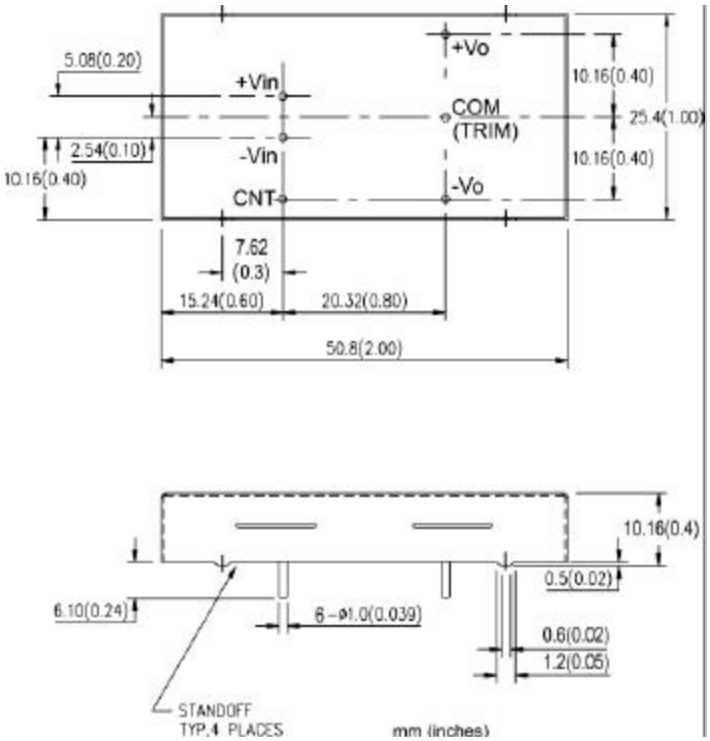
Ordering Information

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
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.