

# 10 Watts

## AEE01,02

Total Power: 10 Watts  
Input Voltages: 48V, 24V  
No. of Outputs: Single



### Special Features

- 10 W, Single output
- 2:1 Input range
- 1.0" x 2.0" x 0.33 case
- Replaces AA10B
- Industry standard package
- Low Profile
- Low Cost

### Environmental

Operating base temperature range:  
-25°C to +95°C  
Storage temperature: -40°C to +105°C  
MTBF: 3 Million Hours (Belcore TR332)

### Safety

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

### Electrical Specs

#### Input

Input range 18 to 36 VDC  
36 to 72 VDC

Efficiency 79% typical (5V)

#### Output

Voltage tolerance  $\pm 1.0\%$  ( $\pm 2.0\%$  for 3.3V)  
Overall regulation  $\pm 1\%$  max  
Noise/ripple 1% (mV P-P)  
Transient response 200 usec typical (50% step load change to within 5%Vo)

Temperature Regulation  $\pm 0.02\%$  Vo/°C

Switching frequency 330kHz

#### Isolation

I/O isolation 500 VDC  
Isolation Resistance 300 Mohms

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

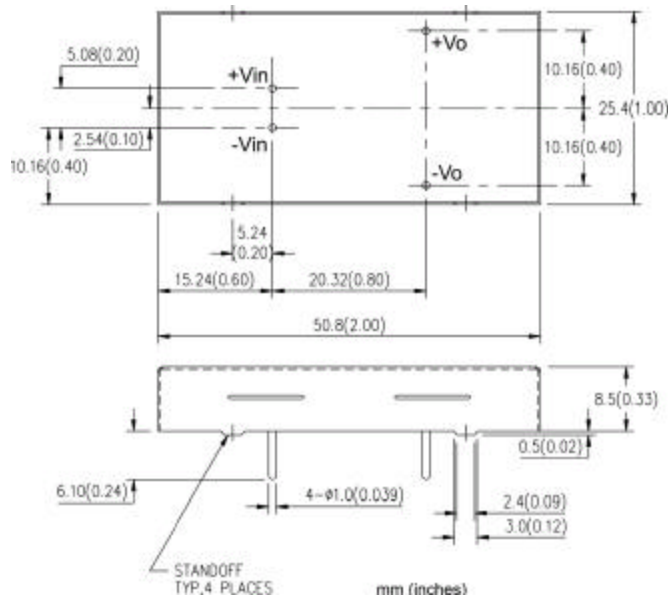
Units 2111-2116, Level 21  
 Tower1, Metroplaza  
 223, Hing Fong Road  
 Fwai Fong, New Territories  
 Hong Kong  
 Telephone: 852-2437-9662  
 Facsimile: 852-2402-4426



## Ordering Information

Input Voltage	Output Voltage	Efficiency	Model Number
18-36 V	3.3 @ 2.5 A	76%	AEE02F24
18-36 V	5.0 @ 2.0 A	78%	AEE02A24
18-36 V	8.0 @ 1.25A	78%	AEE01L24
18-36 V	12.0 @ 0.84 A	82%	AEE00B24
18-36 V	15.0 @ 0.67 A	82%	AEE00C24
36-72 V	3.3 @ 2.5 A	77%	AEE02F48
36-72 V	5.0 @ 2.0 A	79%	AEE02A48
36-72 V	8.0 @ 1.25 A	77%	AEE01L48
36-72 V	12.0 @ 0.84 A	84%	AEE00B48
36-72 V	15.0 @ 0.67 A	86%	AEE00C48

## 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.