



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



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 $\pm 0.02\% \text{Vo}/^\circ\text{C}$

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

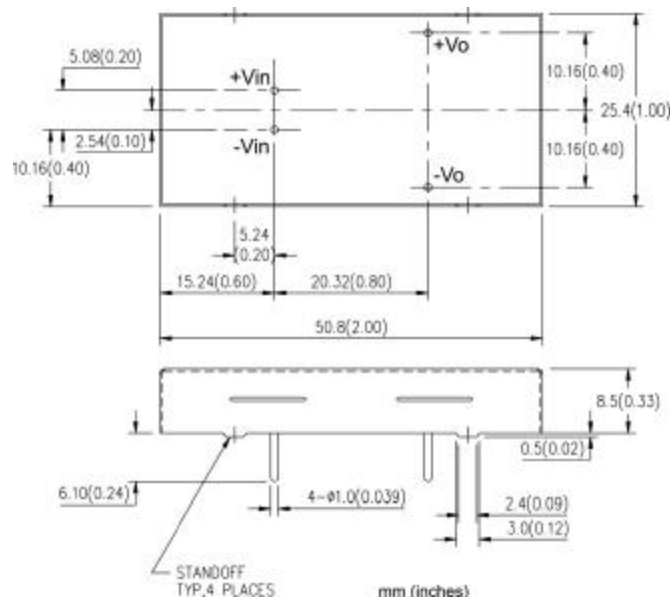
Units 2111-2116, Level 21
Tower1, Metroplaza
223, Hing Fong Road
Fwai Fong, New Territories
Hong Kong
Telephone: 852-2437-9662
Facsimile: 852-2402-4426



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.