



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](mailto:info@chipsmall.com) Web: [www.chipsmall.com](http://www.chipsmall.com)

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



# 15 Watts

## AEE 04

## AEE01-Dual



Total Power: 15 Watts  
Input Voltages: 48V, 24V  
No. of Outputs: Single , Dual

### Electrical Specs

#### Input

Input range 18 to 36 VDC  
36 to 75 VDC

Efficiency 86% typical (3.3V)

#### Output

Voltage tolerance 2.45 - 2.55V (2.5V)  
3.24 - 3.36V (3.3V)  
4.95 - 5.05V (5.0V)  
11.88 - 12.12V (12.0V)  
Dual +12 (1%), -12V(5%)

Overall regulation  $\pm 1\%$  max  
Dual +12V( $\pm 1\%$  max)  
-12V( $\pm 10\%$  max)

Noise/ripple 2.5% (mV P-P) Max  
Transient response  $2\%V_o$ , 100 usec typical (25% step load change)

Temperature Regulation  $\pm 0.04\%V_o/^{\circ}\text{C}$

Switching frequency 290kHz

#### Isolation

I/O isolation 1500 VDC  
Input to Case 1500 VDC  
Output to Case 1500 VDC

### Special Features

- 15 W, Single, Dual output
- High Efficiency
- 2:1 Input range
- 1.0" x 2.0" x 0.4 case
- Industry standard package
- Low Profile
- Low Cost

### Environmental

Operating base temperature range:

-40°C to +105°C

Storage temperature: -55°C to +125°C

MTBF: 1.5 Million Hours (Belcore TR332)

### Safety

UL UL1950 Recognition

CSA CSA22.2-950 Recognition

TUV EN60950 Certified  
CE CE Mark

## 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

14/F, Lu Plaza  
2 Wing Yip Street  
Kwun Tong, Kowloon  
Hong Kong  
Telephone: 852-2176-3333  
Facsimile: 852-2176-3888



## Ordering Information

Input Voltage	Output Voltage	Efficiency	Model Number
18-36 V	3.3 @ 4.5 A	85%	AEE04F24-19 7
36-75 V	2.5 @ 4.5 A	83%	AEE04G48-19 7 (EOL)
36-75 V	3.3 @ 4.5 A	86%	AEE 04F 48-7
36-75 V	3.3 @ 4.5 A	86%	AEE04F48-9 7
36-75 V	3.3 @ 4.5 A	86%	AEE04F48-1 7
36-75 V	3.3 @ 4.5 A	86%	AEE04F48-19 7
36-75 V	5.0 @ 3.0 A	87%	AEE03A48- 7
36-75 V	5.0 @ 3.0 A	87%	AEE03A48-9 7
36-75 V	5.0 @ 3.0 A	87%	AEE03A48-1 7
36-75 V	5.0 @ 3.0 A	87%	AEE03A48-19 7
36-75 V	12.0 @ 1.25 A	87%	AEE01B48- 7
36-75 V	12.0 @ 1.25 A	87%	AEE01B48-9 7
36-75 V	12.0 @ 1.25 A	87%	AEE01B48-1 7
36-75 V	12.0 @ 1.25 A	87%	AEE01B48-19 7
36-75 V	±12V @ ±.63A	87%	AEE 01BB 48-7

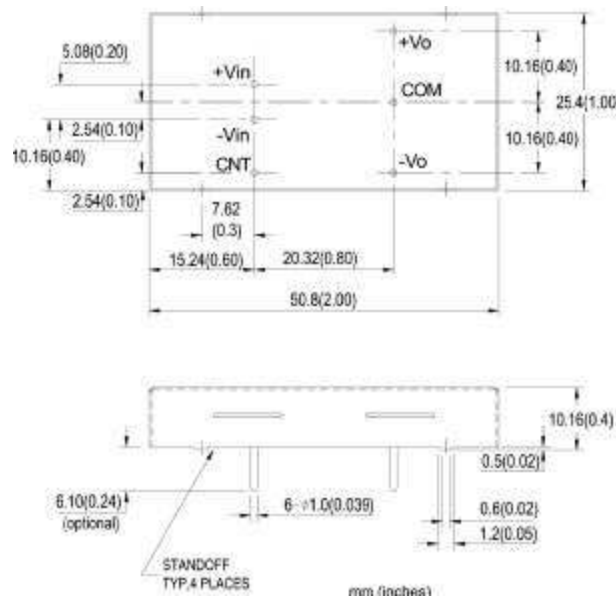
### NOTES :

Enable Function: "1" = negative logic enable, without "1" = positive logic enable

Trim Feature: "9" = Trim feature, without "9" = no Trim

Pin length: "7" = 5.6mm pin length

## Mechanical Dimensions and Pin Assignments



### Notes:

1. Refer to Technical Reference Note (App Note) for recommended input/output filtering
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.