

# 15 Watts

## AEE04

## AEE01-Dual

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

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### 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

### 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 ±1% max  
Dual +12V(±1% max)  
-12V(±10% max)

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

Temperature Regulation ±0.04 %Vo/°C

Switching frequency 290kHz

#### Isolation

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

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 2  
 Tower1, Metroplaza  
 223, Hing Fong Road  
 Fwai Fong, New Territories  
 Hong Kong  
 Telephone: 852-2437-9662  
 Facsimile: 852-2402-4426

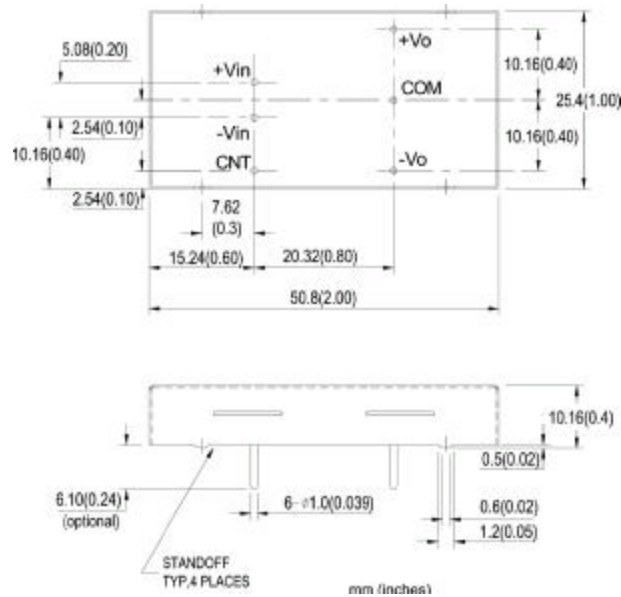
## Ordering Information

Input Voltage	Output Voltage	Efficiency	Model Number
18-36 V	3.3 @ 4.5 A	85%	AEE04F24-197
36-75 V	2.5 @ 4.5 A	83%	AEE04G48-197
36-75 V	3.3 @ 4.5 A	86%	AEE04F48-7
36-75 V	3.3 @ 4.5 A	86%	AEE04F48-97
36-75 V	3.3 @ 4.5 A	86%	AEE04F48-17
36-75 V	3.3 @ 4.5 A	86%	AEE04F48-197
36-75 V	5.0 @ 3.0 A	87%	AEE03A48-7
36-75 V	5.0 @ 3.0 A	87%	AEE03A48-97
36-75 V	5.0 @ 3.0 A	87%	AEE03A48-17
36-75 V	5.0 @ 3.0 A	87%	AEE03A48-197
36-75 V	12.0 @ 1.25 A	87%	AEE01B48-7
36-75 V	12.0 @ 1.25 A	87%	AEE01B48-97
36-75 V	12.0 @ 1.25 A	87%	AEE01B48-17
36-75 V	12.0 @ 1.25 A	87%	AEE01B48-197
36-75 V	±12V @ ±63A	87%	AEE01BB48-7

**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.