

# 15 Watts

## AEEO4

## AEEO1-Dual



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

### Electrical Specs

#### Input

Input range 18 to 36 VDC  
36 to 72 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

### Special Features

- 15 W, Single 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

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AEE04 / AEE01 - Dual

## Ordering Information

Input Voltage	Output Voltage	Efficiency	Model Number	Options Available
18-36 V	3.3 @ 4.0 A	85%	AEE04F24-197	
36-72 V	2.5 @ 4.0 A	83%	AEE04G48-197	
36-72 V	3.3 @ 4.0 A	86%	AEE04F48-7	-97, -1, -197
36-72 V	5.0 @ 3.0 A	87%	AEE03A48-7	-97, -1, -197
36-72 V	12.0 @ 1.25 A	87%	AEE01B48-7	-97, -1, -197
36-72 V	±12V @ ±.63A	87	AEE01BB48-7	

Options

-97 = Trim and 6.1mm Pin

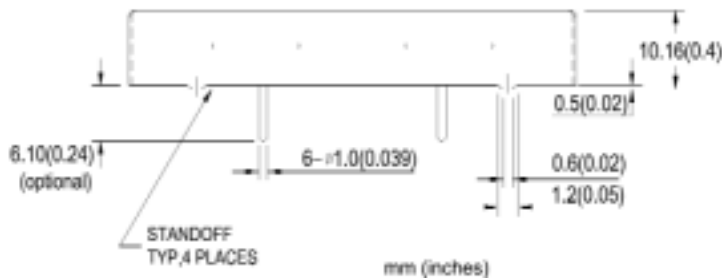
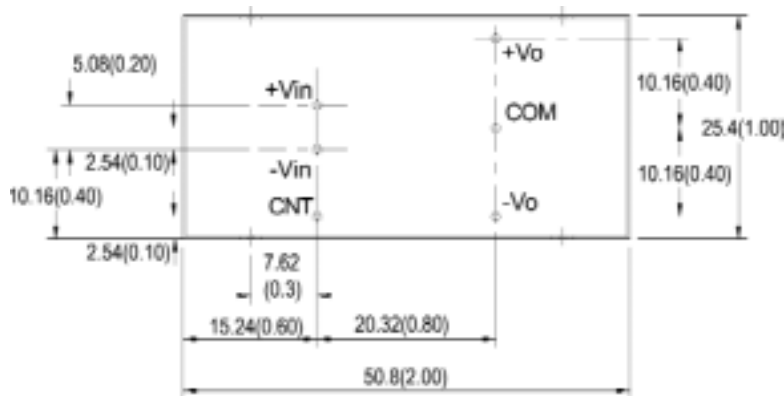
-1 = Negative logic enable

-197 = Trim, negative enable, 6.1mm Pin

Positive logic is std.

Note:

-7 = 6.1mm Pin (standard) Consult factory for pin length options



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.