

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	±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, 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



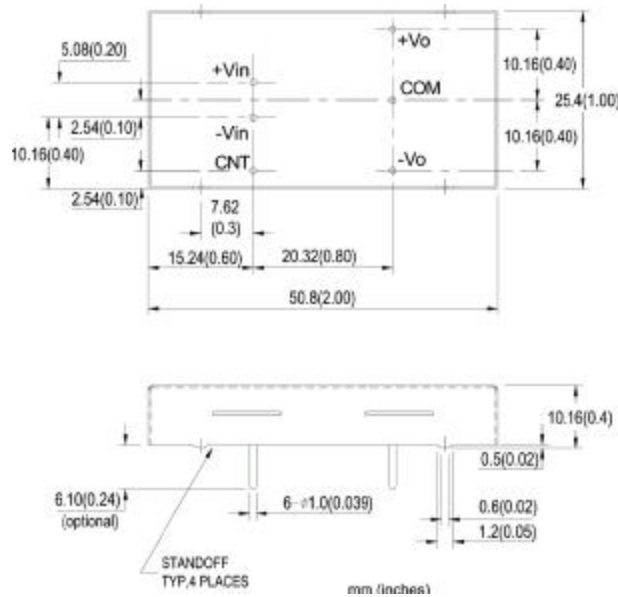
Ordering Information

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.