

AEE 15W Series

15 Watts

Data Sheet

Total Power: 15 Watts
Input Voltage: 24 V, 48 V
of Outputs: Single, Dual

SPECIAL FEATURES

- 15 W, single, dual output
- High efficiency
- 2:1 input range
- 1" x 2" x 0.4" package
- Industry standard package
- Low profile
- Low cost

SAFETY

- UL1950 Recognition
- CSA22.2-950 Recognition
- TUB EN 60950 Certified
- CE Mark



Electrical Specifications

Input	
Input range	18 to 36 VDC; 36 to 75 VDC
Efficiency	86% typical (3.3 V)
Output	
Voltage tolerance	2.45 - 2.55 V (2.5V) 3.24 - 3.36 V (3.3 V) 4.95 - 5.05 V (5.0 V) 11.88 - 12.12 V (12.0 V) Dual +12 (1%), =12 V (5%)
Overall regulation	±1% max Dual +12 V (±1% max) Dual -12 V (±10% max)
Noise/ripple	2.5% (mV p-p) max
Transient response	2% Vo, 100 µs typical (25% step load change)
Temperature regulation	±0.04% Vo/ °C
Switching frequency	290 KHz
Isolation	
I/O isolation	1500 VDC
Input to case	1500 VDC
Output to case	1500 VDC

Environmental Specifications

Operating ambient temperature range	-40 °C to +105 °C
Storage temperature	-55 °C to +125 °C
MTBF	1.5 Million hours (Belcore TR332)

Ordering Information

Model Number	Input Voltage	Output 1 Voltage	Efficiency
AEE04F24-197	18 - 36 V	3.3 V @ 4.5 A	85%
AEE04F48-7	36 - 75 V	3.3 V @ 4.5 A	86%
AEE04F48-97	36 - 75 V	3.3 V @ 4.5 A	86%
AEE04F48-17	36 - 75 V	3.3 V @ 4.5 A	86%
AEE04F48-197	36 - 75 V	3.3 V @ 4.5 A	86%
AEE03A48-7	36 - 75 V	5 V @ 3.0 A	87%
AEE03A48-97	36 - 75 V	5 V @ 3.0 A	87%
AEE03A48-17	36 - 75 V	5 V @ 3.0 A	87%
AEE03A48-197	36 - 75 V	5 V @ 3.0 A	87%
AEE01B48-7	36 - 75 V	12 V @ 1.25 A	87%
AEE01B48-97	36 - 75 V	12 V @ 1.25 A	87%
AEE01B48-17	36 - 75 V	12 V @ 1.25 A	87%
AEE01B48-197	36 - 75 V	12 V @ 1.25 A	87%
AEE01BB48-7	36 - 75 V	±12 V @ ±0.63 A	87%

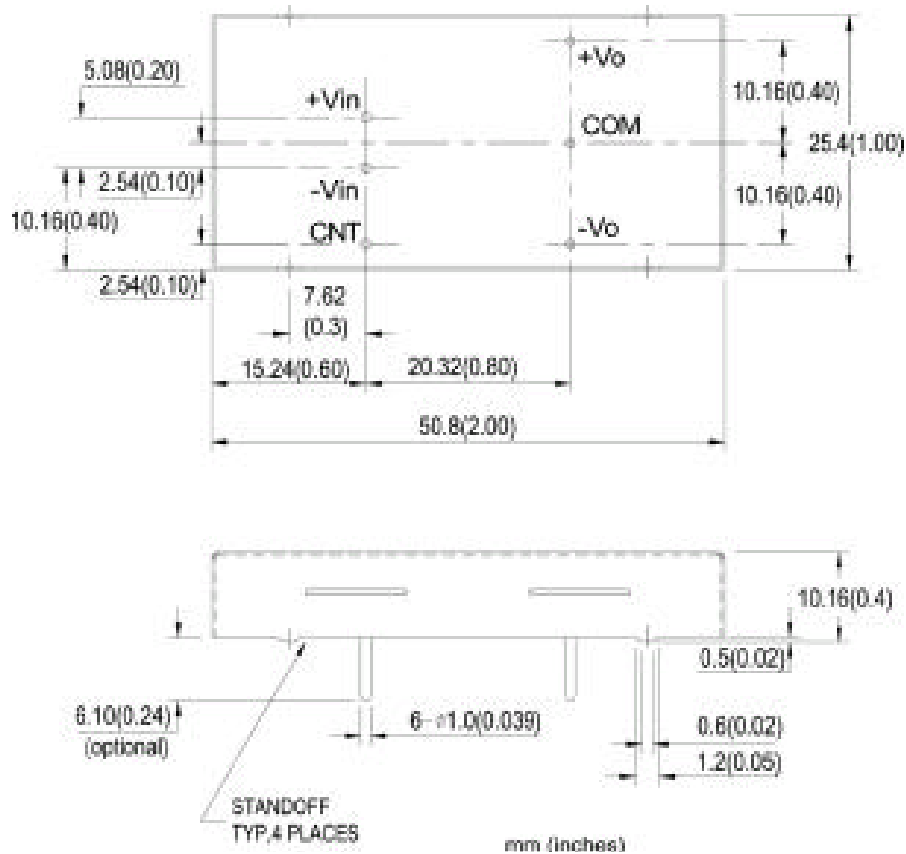
Notes:

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

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

Pin length: "7" = 5.6 mm pin length

Mechanical Drawings



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.

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