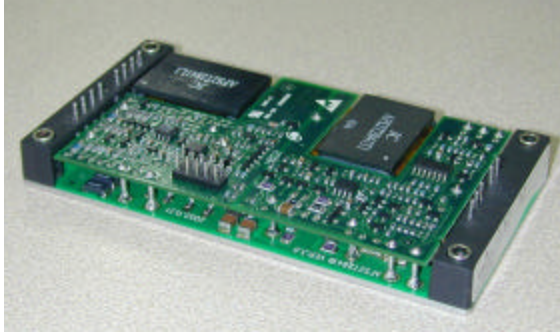


700 Watts

AIF25R48

Total Power: 700 Watts (28V@25Amps)
 Input Voltages: 48V
 No. of Outputs: Single



Special Features

- 700W Continuous power at 100°C baseplate temperature
- High efficiency - 89% @ 28V
- Low output ripple and noise
- Industry standard pin out
- Positive and Negative enable function
- Excellent transient response
- OVP, LVP, OCP, OTP, S/C protection
- Paralleable with accurate current sharing
- Basic Insulation

Environmental

Operating temperature

-20°C to +100°C (Case temperature)

Storage temperature: -55°C to +125°C

Overtemperature protection: 120°C max

MTBF: TBD hours

Safety

UL 60950 Recognized

CSA

TUV EN60950 Licensed

CE CE Mark

Electrical Specs

Input

Input range 36 - 75 VDC
 Input Surge 100V / 100ms
 Efficiency 89% @ 28V

Output

Load Regulation 0.5% typical down to min load
 Line Regulation 0.2% typical
 Noise / Ripple 200mV typical
 Remote sense Up to 0.5V
 Output voltage adjust range +10%/-20%
 Transient Response 3% max for deviation with 25% to 50% full load
 500 μ S (max) recovery
 Current Share Accuracy 5% typical
 Overvoltage Protection 140% V_o (max)
 Current Limit 140% I_o (max)

Control

Voltage Adjust 80 to 110% V_o
 Enable TTL compatible
 (positive & negative enable options)

Notes

Nominal values apply with sense pins connected and other control pin unconnected.

Specifications subject to change without notice.

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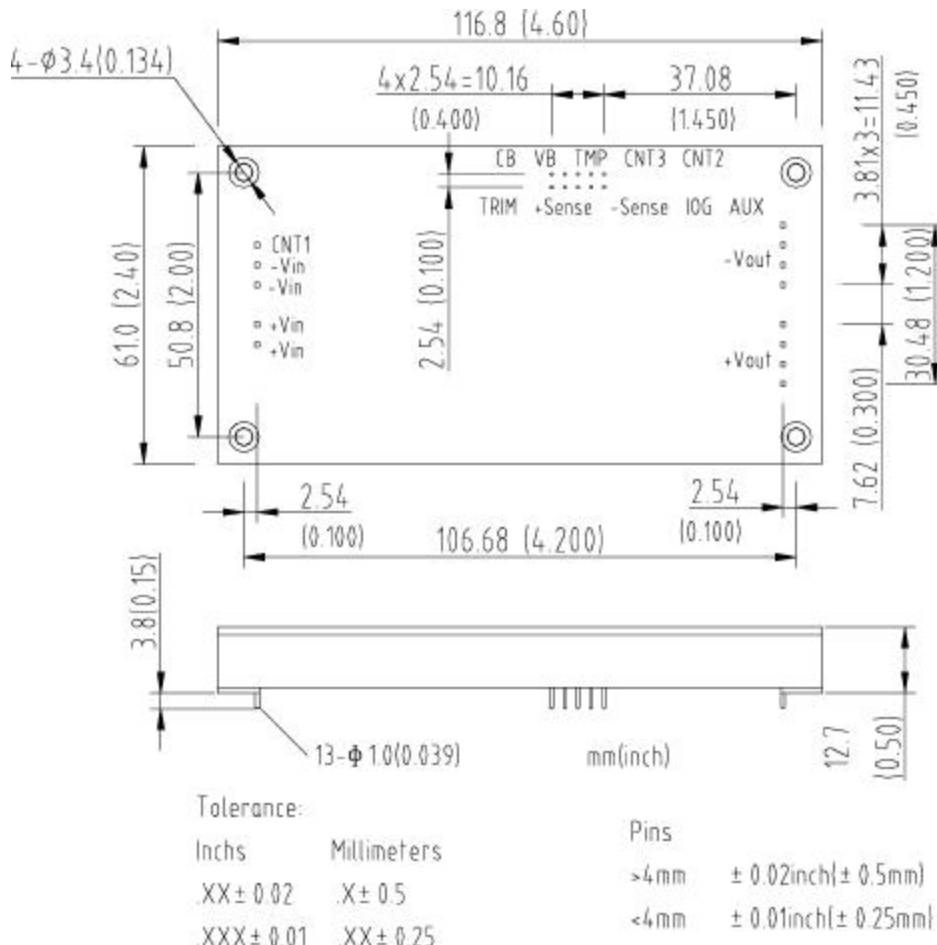
Ordering Information

Input Voltage	Output Voltage	Efficiency	Model Number
48V	28V @ 25A	89% (Typ)	AIF25R48
48V	28V @ 25A	89% (Typ)	AIF25R48N
48V	28V @ 25A	89% (Typ)	AIF25R48-6
48V	28V @ 25A	89% (Typ)	AIF25R48N-6
48V	28V @ 25A	89% (Typ)	AIF25R48-7
48V	28V @ 25A	89% (Typ)	AIF25R48N-7
48V	28V @ 25A	89% (Typ)	AIF25R48-8
48V	28V @ 25A	89% (Typ)	AIF25R48N-8

Note: 1. Suffix "N" for Negative Enable, -6 for 3.8mm pin, -7 for 5.8mm pin, -8 for 2.8mm pin

Pin Assignments

AIF25R48N-6 (pin side view)



AIF25R48

Astec Industry Power