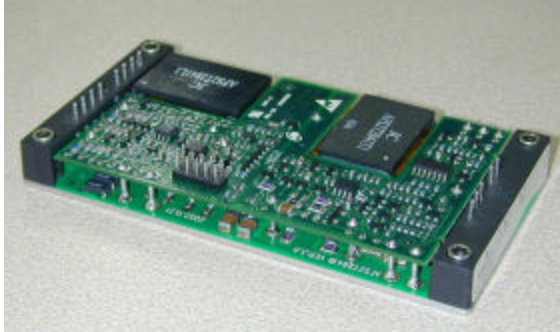


700 Watts

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.



Ordering Information

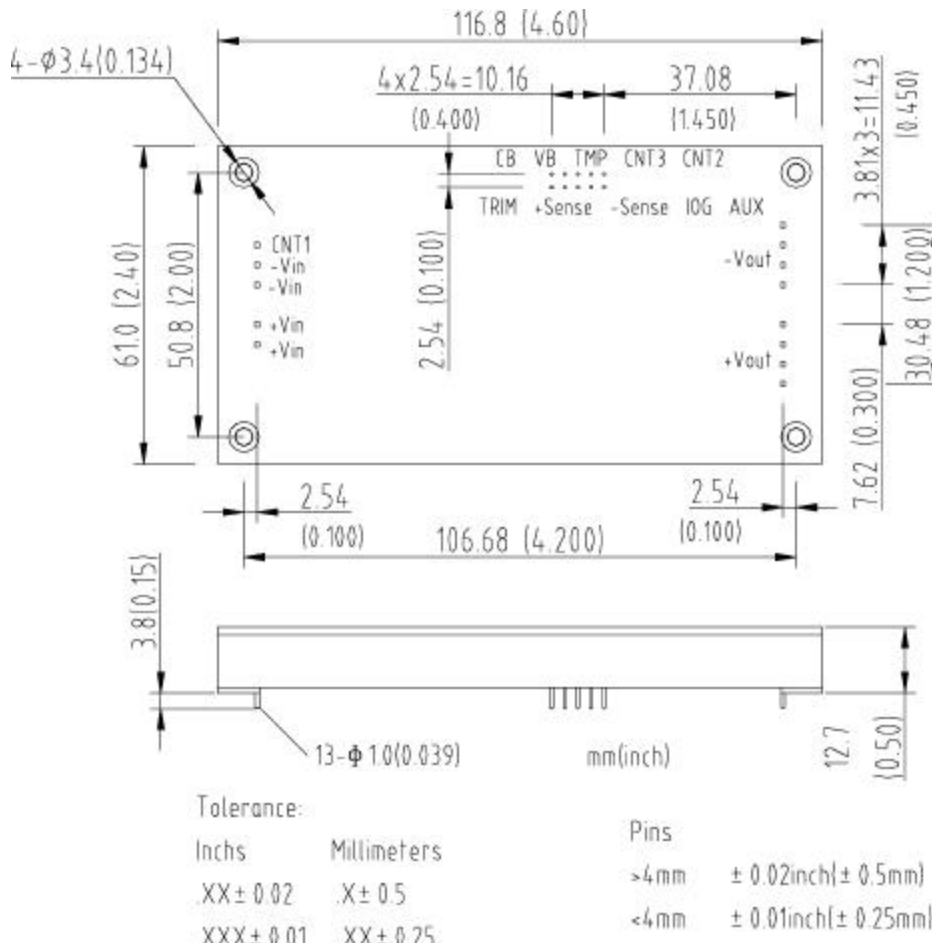
AIF25R48

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)



Astec Industry Power