

## AGF800-048 Series

800 Watts

### Data Sheet

**Total Power:** 800 Watts  
**Input Voltage:** 36 - 75 V  
**# of Outputs:** Single

### SPECIAL FEATURES

- 2:1 wide input range
- Extra wide trim range
- Optimised for high density, small space applications
- Low ripple and noise
- Fixed switching frequency
- Super high efficiency
- High capacitive load capability
- Basic insulation system
- Aluminium substrate
- Functions
- Power good
- Auxiliary power rail

### SAFETY

- UL 60950-1
- IEC60950 -1



### Electrical Specifications

#### Input

Input range	36 - 75 VDC
Efficiency	94.5%

#### Output

Voltage tolerance	+/-1%
Line regulation	96 mV
Load regulation	240 mV
Noise/ripple	480 mV
Overvoltage protection	Hiccup
Overtemperature protection	Auto restart
Switching frequency	290 KHz
Temperature co-efficient	±0.02/°C

#### Isolation

I/O isolation	1500 VDC min.
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### Environmental Specifications

Operating ambient temperature range	-40 °C to + 85 °C
Storage temperature	-55 °C to +125 °C
Humidity	5% to 95% (non-condensing)
MTBF	1.5 Million hours
RoHS Compliant	

### Ordering Information

Model number	Input voltage	Output voltage	Power
AGF800-48S48P-6L	36 - 75 Vin	48 V @ 16.7 A	800 W

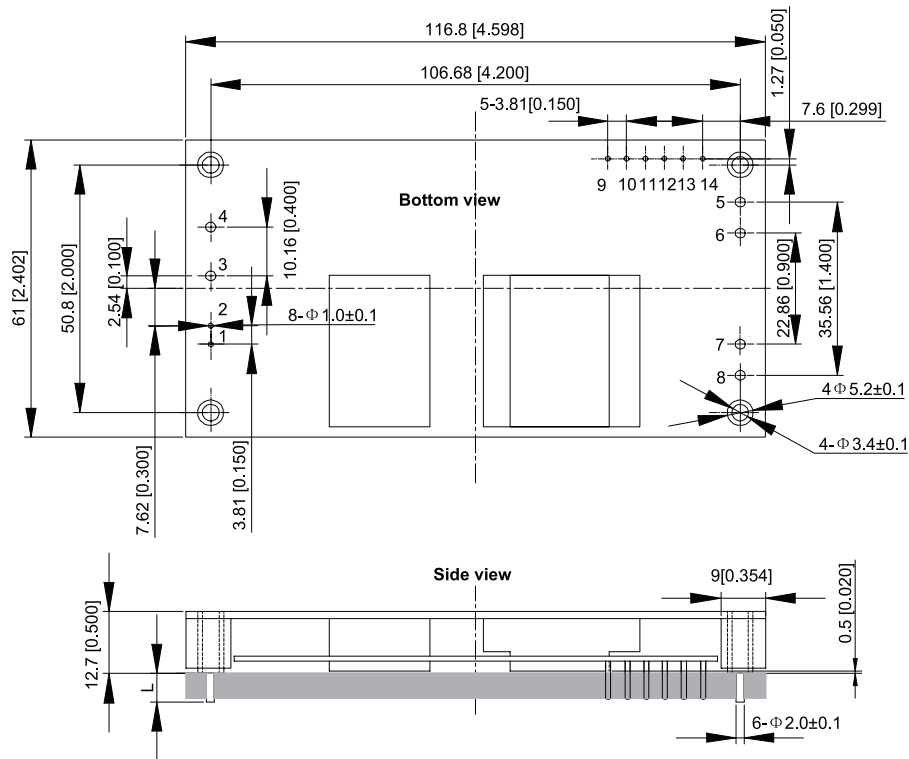
Standard version is negative enable

"-6" = 3.8 mm pin length

"-L" = RoHS 6 compliance

"P" = Positive Enable

### Mechanical Drawings



Unit: mm[inch]

Bottom view: pin on upside

Tolerance: X.Xmm $\pm$ 0.5mm[X.X in. $\pm$ 0.02in.]

X.XXmm $\pm$ 0.25mm[X.XX in. $\pm$ 0.01in.]

## Pin Assignments

Pin #	Function
1	+On/Off
2	-On/Off
3	Vin+
4	Vin-
5,6	Vo-
7,8	Vo+
9	AUX
10	I/OG
11	
12	Trim
13	+S
14	-S

**Notes:**

1. All specifications are subject to change without notice. Mechanical drawings are for reference only.
2. Warranty: 2 years
3. Label and logo appearance may vary from what is shown on mechanical drawings.

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