

AGF800-28 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 ² | 94.5% |
| Output | |
| Voltage tolerance | +/-1% |
| Line regulation | +/- 0.2% |
| Load regulation | +/- 0.5% |
| Noise/ripple | 250 mV |
| Overvoltage protection | Hiccup |
| Overtemperature protection | Auto restart |
| Switching frequency | 320 KHz |
| Temperature co-efficient | ±0.02/°C |
| Isolation | |
| I/O isolation | 1500 VDC min. |

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

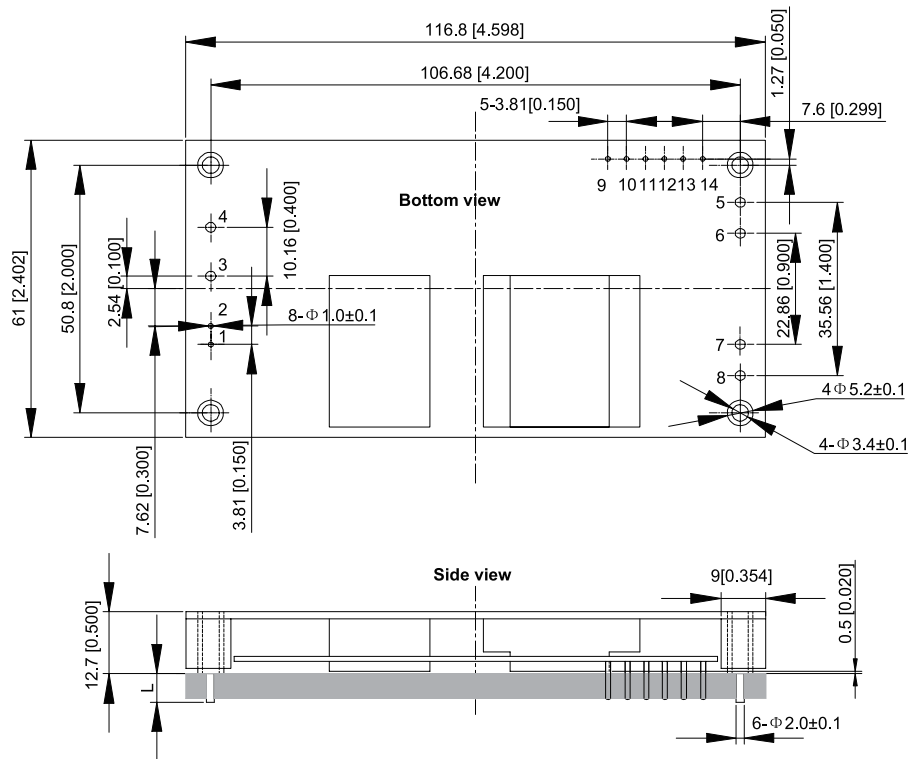
| Model number | Input voltage | Output voltage | Power |
|-----------------|---------------|----------------|-------|
| AGF800-48S28-6L | 36 - 75 Vin | 28 V @ 28.6 A | 800 W |

Standard version is negative enable

"-6" = 3.8 mm pin length

"-L" = RoHS 6 compliance

Mechanical Drawings



Unit: mm[inch]

Bottom view: pin on upside

Tolerance: X.Xmm±0.5mm[X.X in.±0.02in.]

X.XXmm±0.25mm[X.XX in.±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 | I0G |
| 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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