

AGH360 Series

360 Watts

Data Sheet

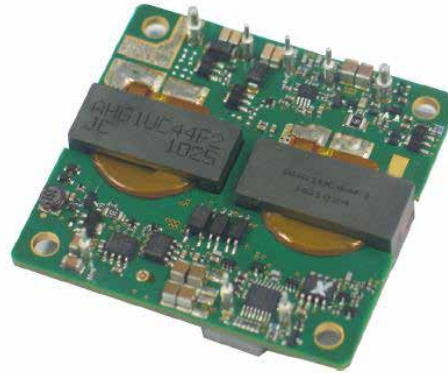
Total Power: 360 Watts
Input Voltage: 36 - 75 V
of Outputs: Single

SPECIAL FEATURES

- 2:1 Wide input range
- Optimised for high density, small space applications
- Low ripple and noise
- Fixed switching frequency
- High efficiency
- High capacitive load capability
- Basic insulation system
- Pre-bias start-up capability
- Openframe structure with Baseplate option

SAFETY

- UL, cUL: UL60950
- TUV/CE: IEC/EN60950



Electrical Specifications

Input

| | |
|--------------|-------------|
| Input range: | 36 - 75 VDC |
| Efficiency: | 12Vo |

Output

| | |
|--|--------------|
| Voltage tolerance: | +/-2.5% |
| Line regulation: | +/- 0.2% |
| Load regulation: | +/- 0.2% |
| Noise/ripple: | 120mV |
| Over voltage protection: Over temperature protection: | Auto-restart |
| Switching frequency: | 145 KHz |
| Temperature coefficient: | ±0.02/°C |

Isolation

| | |
|----------------|---------------|
| I/O isolation: | 1500 VDC min. |
|----------------|---------------|

Environmental Specifications

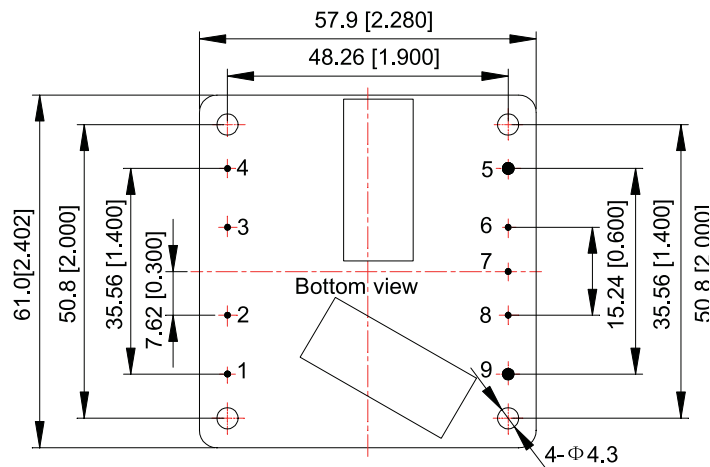
| | |
|--------------------------------------|----------------------------|
| Operating ambient temperature range: | -40°C to +85 °C |
| Storage temperature: | -55 °C to +125 °C |
| Humidity: | 5% to 95% (non-condensing) |
| MTBF: | 1.5 Million hours |
| RoHS Compliant | |

Ordering Information

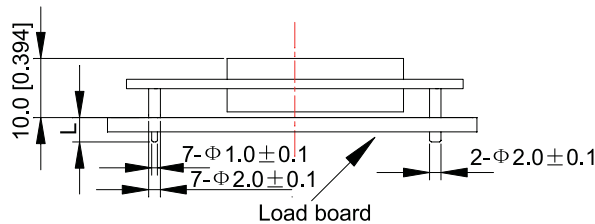
| Model number | Input voltage | Output voltage | Power |
|-------------------|---------------|----------------|-------|
| AGH360-48S12-6L | 36 - 75 Vin | 12V @ 30A | 360W |
| AGH360-48S12B-6L | 36 - 75 Vin | 12V @ 30A | 360W |
| AGH360-48S12P-6L | 36 - 75 Vin | 12V @ 30A | 360W |
| AGH360-48S12PB-6L | 36 - 75 Vin | 12V @ 30A | 360W |

- Standard version is negative enable
- "-6" = 3.8mm pin length
- "-L" = RoHS6 compliance
- "-P" = Positive enable
- "-B" = Baseplate

Mechanical Drawings



Side view



Load board

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 No. | Name | Function |
|---------|---------------|--------------------------|
| 1 | Vin+ | Positive input terminal |
| 2 | Remote ON/OFF | ON/OFF control terminal |
| 3 | Case | Case input terminal |
| 4 | Vin- | Negative input terminal |
| 5 | Vo- | Negative output terminal |
| 6 | Sense- | Negative remote sense |
| 7 | Trim | Output voltage trim |
| 8 | Sense+ | Positive remote sense |
| 9 | Vo+ | Positive output terminal |

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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