POWER

AGH150 Series
150 Watts

Data Sheet

Total Power:	150 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

RoHS 6/6 COMPLIANT

Electrical Specifications

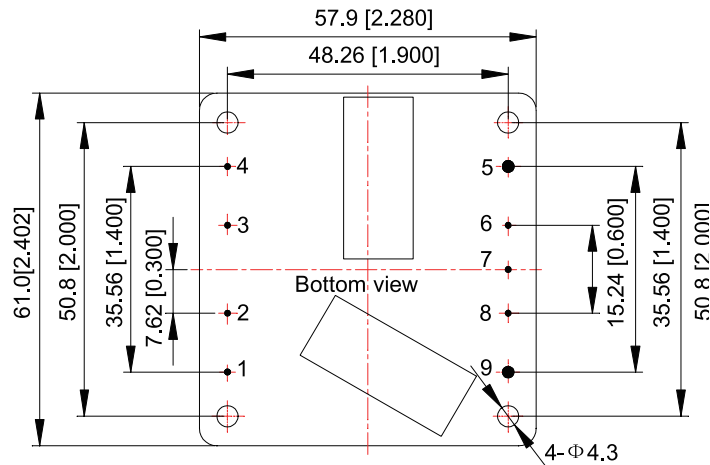| Input	
Input range:	36 - 75 VDC
Efficiency[2]:	92% @ 5Vo
Output	
Voltage tolerance:	+/-1%
Line regulation:	+/- 0.2%
Load regulation:	+/- 0.5%
Noise/ripple:	3.3 Vo: 100 mV 5.0 Vo: 100 mV
Over voltage protection: Over temperature protection:	Auto-restart
Switching frequency:	280 KHz
Temperature coefficient:	±0.02/°C
Isolation	
I/O isolation:	2000 VDC min.

Environmental Specifications

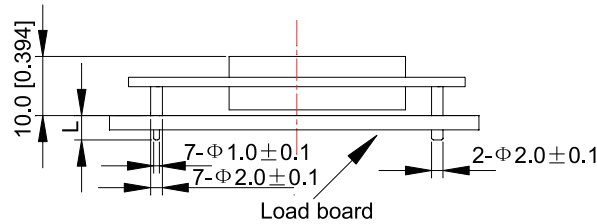|	
Operating ambient temperature range:	-40°C to +85 °C
Storage temperature:	-55 °C to +125 °C
Humidity:	5% to 95% (non-condensing)
MTBF:	2 Million hours
RoHS Compliant	

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Ordering Information

Model number	Input voltage	Output voltage	Power
AGH150-48S05-6	36 - 75 Vin	5V @ 30A	150W
AGH150-48S05B-6	36 - 75 Vin	5V @ 30A	150W
AGH150-48S05P-6	36 - 75 Vin	5V @ 30A	150W
AGH150-48S05PB-6	36 - 75 Vin	5V @ 30A	150W

- Standard version is negative enable
- "-6" = 3.8mm pin length
- "-L" = Rohs6 compliance
- " -P" = Positive enable
- "B" = Baseplate

Mechanical Drawings

57.9 [2.280]
48.26 [1.900]
61.0[2.402]
50.8 [2.000]
35.56 [1.400]
7.62 [0.300]
Bottom view
15.24 [0.600]
35.56 [1.400]
50.8 [2.000]
4-Φ4.3
Side view

10.0 [0.394]
L
7-Φ1.0±0.1
7-Φ2.0±0.1
2-Φ2.0±0.1
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 #	Function
1	+V in
2	Enable
3	Case
4	-V in
5	-V out
6	-Sense
7	Trim
8	+Sense
9	+V out

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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