

## AGQ150 Series

150 Watts

### Data Sheet

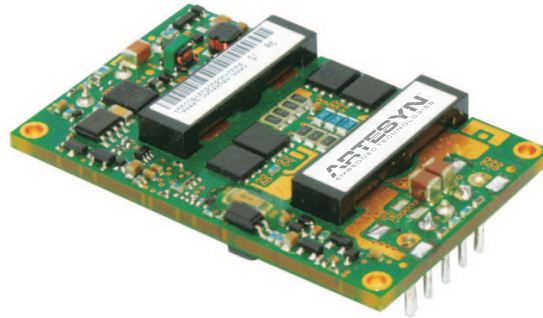
**Total Power:** 150 Watts  
**Input Voltage:** 36 - 75 V  
**# of Outputs:** Single

### 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
- Openframe structure with baseplate option
- Output over current protection

### SAFETY

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



### Electrical Specifications

#### Input

Input range:	36 - 75 VDC
Efficiency <sup>2</sup> :	93% @ 5Vo

#### Output

Voltage tolerance:	+/-1%
Line regulation:	5mV
Load regulation:	Single output: 10mV
Noise/ripple:	3.3 Vo: 100mV
Over voltage protection:	Hiccup
Over temperature protection:	Auto-restart
Switching frequency:	310KHz
Temperature coefficient:	±0.02/°C

#### Isolation

I/O isolation:	2250 VDC min.
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### Environmental Specifications

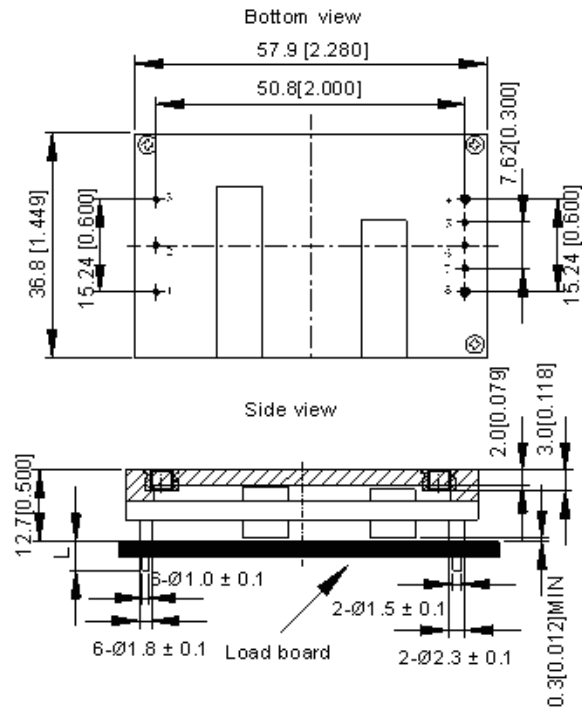
Operating ambient temperature range:	-40°C to +85 °C
Storage temperature:	-55 °C to +125 °C
Humidity:	5% to 95% (non-condensing)
MTBF:	2 Million hours
RoHS Compliant	

### Ordering Information

Model number	Input voltage	Output voltage	Power
AGQ150-48S05-4L	36 - 75 Vin	5V @ 30A	150W
AGQ150-48S05-6L	36 - 75 Vin	5V @ 30A	150W
AGQ150-48S05B-4L	36 - 75 Vin	5V @ 30A	150W
AGQ150-48S05P-4L	36 - 75 Vin	5V @ 30A	150W
AGQ150-48S05PB-4L	36 - 75 Vin	5V @ 30A	150W

- Standard version is negative enable
- "-6" = 3.8mm pin length
- "4" = 4.8mm pin length
- "-L" = Rohs6 compliance
- "-P" = Positive enable
- "B" = Baseplate

### 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	+V in
2	Enable
3	-V in
4	-V out
5	-Sense
6	Trim
7	+Sense
8	+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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