

AGQ200 Series

132 Watts

Data Sheet

Total Power: 132 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

SAFETY

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



Electrical Specifications

Input

Input range	36 - 75 VDC
Efficiency ²	92% @ 3.3 Vo

Output

Voltage tolerance	+/-1.6%
Line regulation	5 mV
Load regulation	Single output: 10 mV
Noise/ripple	3.3 Vo: 100 mV
Overvoltage protection	Hiccup
Overtemperature protection	Auto-restart
Switching frequency	280 KHz
Temperature co-efficient	±0.02 / °C

Isolation

I/O isolation	2000 VDC min.
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Environmental Specifications

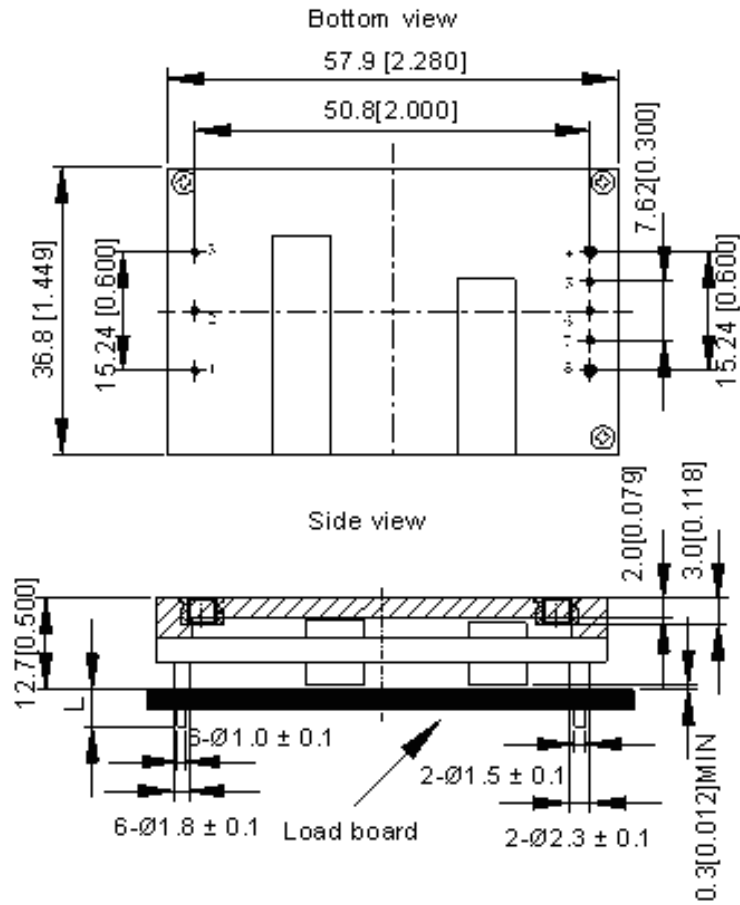
Operating ambient temperature range	-40 °C to +85 °C
Storage temperature	-55 °C to +125 °C
Humidity	5% to 95% (non-condensing)
MTBF	2 Million hours
RoHS Compliant	

Ordering Information

Model number	Input voltage	Output voltage	Power
AGQ200-48S1V2-4L	36 - 75 Vin	1.2 V @ 40 A	48 W
AGQ200-48S1V2B-4L	36 - 75 Vin	1.2 V @ 40 A	48 W
AGQ200-48S1V2P-4L	36 - 75 Vin	1.2 V @ 40 A	48 W
AGQ200-48S1V2PB-4L	36 - 75 Vin	1.2 V @ 40 A	48 W
AGQ200-48S1V5-4L	36 - 75 Vin	1.5 V @ 40 A	60 W
AGQ200-48S1V5-6L	36 - 75 Vin	1.5 V @ 40 A	60 W
AGQ200-48S1V5B-4L	36 - 75 Vin	1.5 V @ 40 A	60 W
AGQ200-48S1V5P-4L	36 - 75 Vin	1.5 V @ 40 A	60 W
AGQ200-48S1V5PB-4L	36 - 75 Vin	1.5 V @ 40 A	60 W
AGQ200-48S1V8-4L	36 - 75 Vin	1.8 V @ 40 A	72 W
AGQ200-48S1V8B-4L	36 - 75 Vin	1.8 V @ 40 A	72 W
AGQ200-48S1V8P-4L	36 - 75 Vin	1.8 V @ 40 A	72 W
AGQ200-48S1V8PB-4L	36 - 75 Vin	1.8 V @ 40 A	72 W
AGQ200B-48S2V5-4L	36 - 75 Vin	2.5 V @ 40 A	100 W
AGQ200B-48S2V5B-4L	36 - 75 Vin	2.5 V @ 40 A	100 W
AGQ200B-48S2V5P-4L	36 - 75 Vin	2.5 V @ 40 A	100 W
AGQ200B-48S2V5PB-4L	36 - 75 Vin	2.5 V @ 40 A	100 W
AGQ200B-48S3V3-4L	36 - 75 Vin	3.3 V @ 40 A	132 W
AGQ200B-48S3V3-6L	36 - 75 Vin	3.3 V @ 40 A	132 W
AGQ200B-48S3V3B-4L	36 - 75 Vin	3.3 V @ 40 A	132 W
AGQ200B-48S3V3B-6L	36 - 75 Vin	3.3 V @ 40 A	132 W
AGQ200B-48S3V3P-4L	36 - 75 Vin	3.3 V @ 40 A	132 W
AGQ200B-48S3V3PB-4L	36 - 75 Vin	3.3 V @ 40 A	132 W

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

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	+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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