

AGQ300 Series

72 Watts

Data Sheet

Total Power: 72 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	85%
Output	
Voltage tolerance	+/-1.6%
Line regulation	5 mV
Load regulation	10 mV
Noise/ripple	100 mV
Over voltage protection	Hiccup
Over temperature protection	Auto-restart
Switching frequency	300 KHz
Temperature coefficient	±0.02/°C
Isolation	
I/O isolation	2000 VDC min.

Environmental Specifications

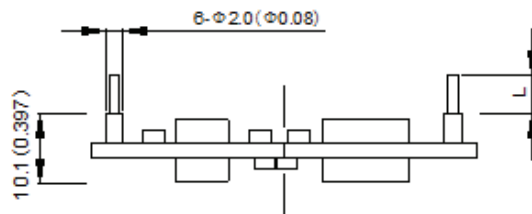
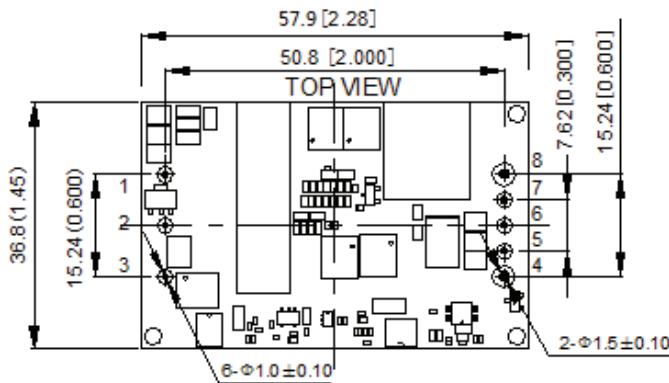
Operating ambient temperature range	-40 °C to +85 °C
Storage temperature	-55 °C to +125 °C
Humidity	5% to 95% (non-condensing)
MTBF	2 Million hours
RoHS Compliant	

Ordering Information

Model number	Input voltage	Output voltage	Power
AGQ300-481V2-4L	36 - 75 Vin	1.2 V @ 60 A	72 W
AGQ300-48S1V2P-4L	36 - 75 Vin	1.2 V @ 60 A	72 W
AGQ300-48S1V2B-4L	36 - 75 Vin	1.2 V @ 60 A	72 W
AGQ300-48S1V2PB-4L	36 - 75 Vin	1.2 V @ 60 A	72 W

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

Mechanical Drawing - Open Frame Module

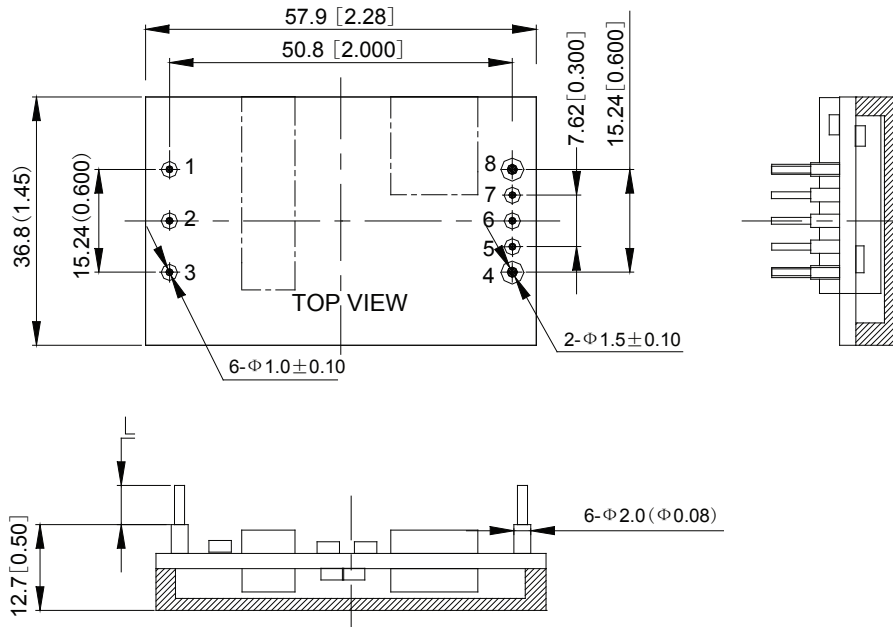


TOLERANCE S: X.Xmm = +/- 0.5mm
 X.XXmm = +/- 0.25mm

Pin Length Option

Device Code Suffix	L
-4	4.8mm +/- 0.5mm
-6	3.8mm +/- 0.5mm
-8	2.8mm +/- 0.25mm
NONE	5.8mm +/- 0.5mm

Mechanical Drawing - Baseplate Module



TOLERANCES: X.Xmm=+/-0.5mm
X.XXmm=+/-0.25mm

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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