

AGF600-048 Series

600 Watts

Data Sheet

Total Power: 600 Watts
Input Voltage: 36 - 75 V
of Outputs: Single

SPECIAL FEATURES

- 2:1 Wide input range
- Extra wide trim range
- Optimised for high density, small space applications
- Low ripple and noise
- Fixed switching frequency
- Super high efficiency
- High capacitive load capability
- Basic insulation system
- Aluminium substrate
- Functions
- Power good
- Auxiliary power rail
- Current share

SAFETY

- UL 60950-1
- IEC60950 -1



Electrical Specifications

Input

Input range:	36 - 75 VDC
Efficiency:	94.5%

Output

Voltage tolerance:	+/-1%
Line regulation:	14mV
Load regulation:	56mV
Noise/ripple:	160mV
Over voltage protection:	Hiccup
Over temperature protection:	Auto restart
Switching frequency:	290 KHz
Temperature coefficient:	±0.02/°C

Isolation

I/O isolation:	1500 VDC min.
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Environmental Specifications

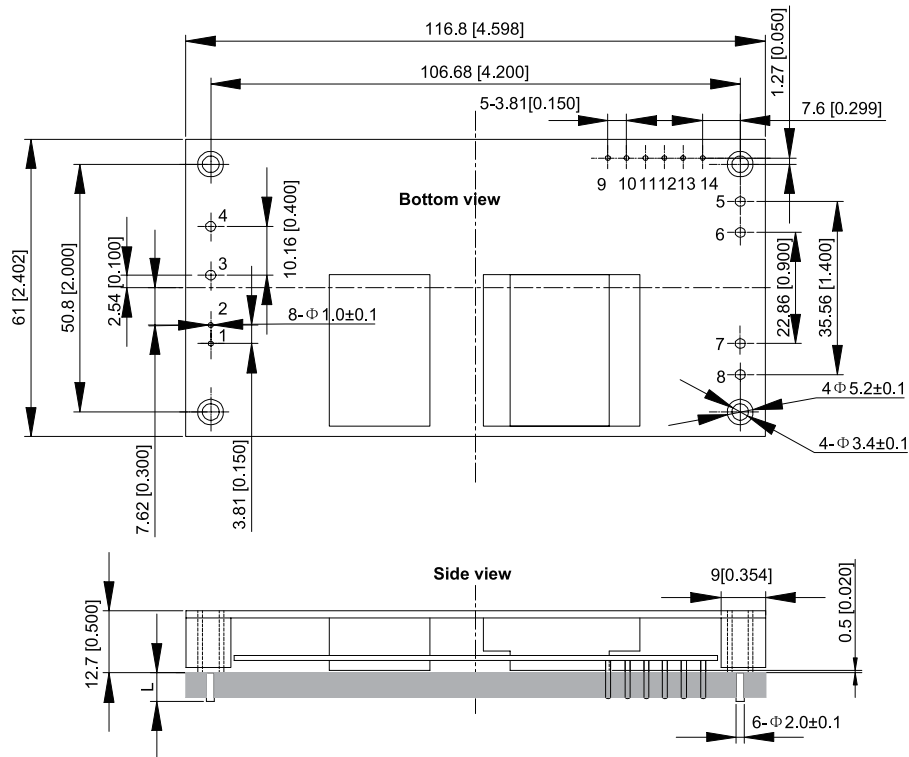
Operating ambient temperature range:	-40°C to + 85°C
Storage temperature:	-55°C to +125°C
Humidity:	5% to 95% (non-condensing)
MTBF:	1.5 Million hours
RoHS Compliant	

Ordering Information

Model number	Input voltage	Output voltage	Power
AGF600-48S28-6L	36 - 75 Vin	28V @ 21.5A	600W

- Standard version is negative enable
- "-6" = 3.8mm pin length
- "-L" = RoHS6 compliance
- "M" = Thread hole

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	+On/Off
2	-On/Off
3	Vin+
4	Vin-
5,6	Vo-
7,8	Vo+
9	AUX
10	I/OG
11	PC(28V)
12	Trim
13	+S
14	-S

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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