

Excellent Integrated System Limited

Stocking Distributor

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[Artesyn Embedded Technologies](#)
[AGF600-48S28-6L](#)

For any questions, you can email us directly:

sales@integrated-circuit.com



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

SAFETY

- UL 60950-1
- IEC60950 -1



Electrical Specifications

Input	
Input range	36 - 75 VDC
Efficiency	94.5%
Output	
Voltage tolerance	+/-1%
Line regulation	14 mV
Load regulation	56 mV
Noise/ripple	160 mV
Overvoltage protection	Hiccup
Overtemperature protection	Auto restart
Switching frequency	290 KHz
Temperature co-efficient	±0.02/°C
Isolation	
I/O isolation	1500 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	1.5 Million hours
RoHS Compliant	

AGF600-048 Series Data Sheet

Ordering Information

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

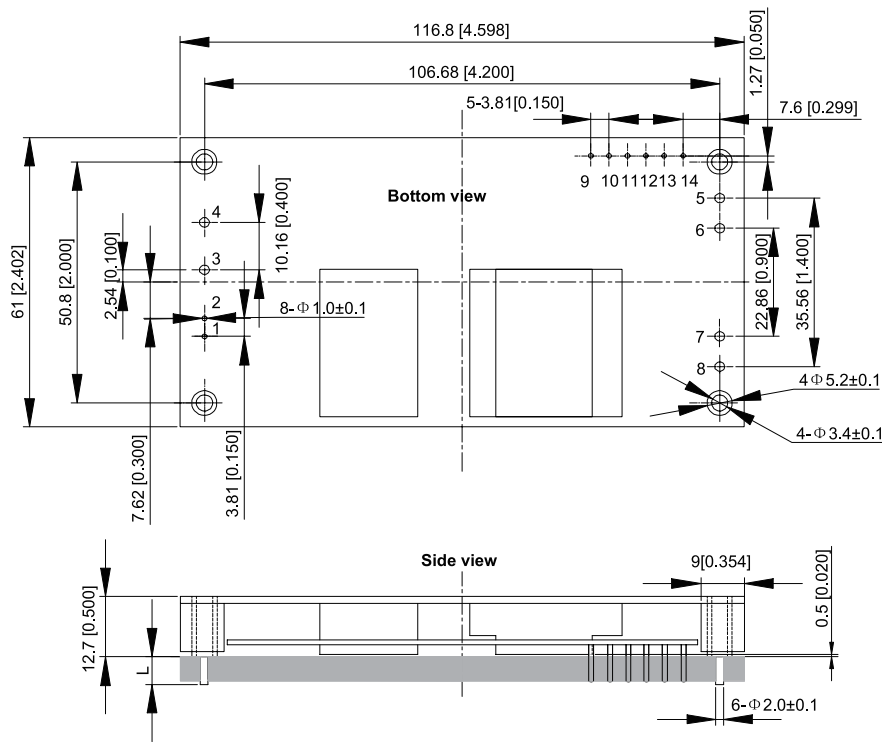
Standard version is negative enable

"-6" = 3.8 mm pin length

"-L" = RoHS 6 compliance

"M" = Thread hole

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.]

AGF600-048 Series Data Sheet

Pin Assignments

Pin #	Function
1	+On/Off
2	-On/Off
3	Vin+
4	Vin-
5,6	Vo-
7,8	Vo+
9	AUX
10	IOG
11	NC
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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