

ELECTRICAL SPECIFICATIONS

Input	
Input range	18-36 VDC
Efficiency	93.5%
Output	
Voltage tolerance	+/-1%
Line regulation	28 mV
Load regulation	56 mV
Noise/ripple	200 mV
Overvoltage protection	Hiccup
Overtemperature protection	Auto restart
Switching frequency	230 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	

ORDERING INFORMATION

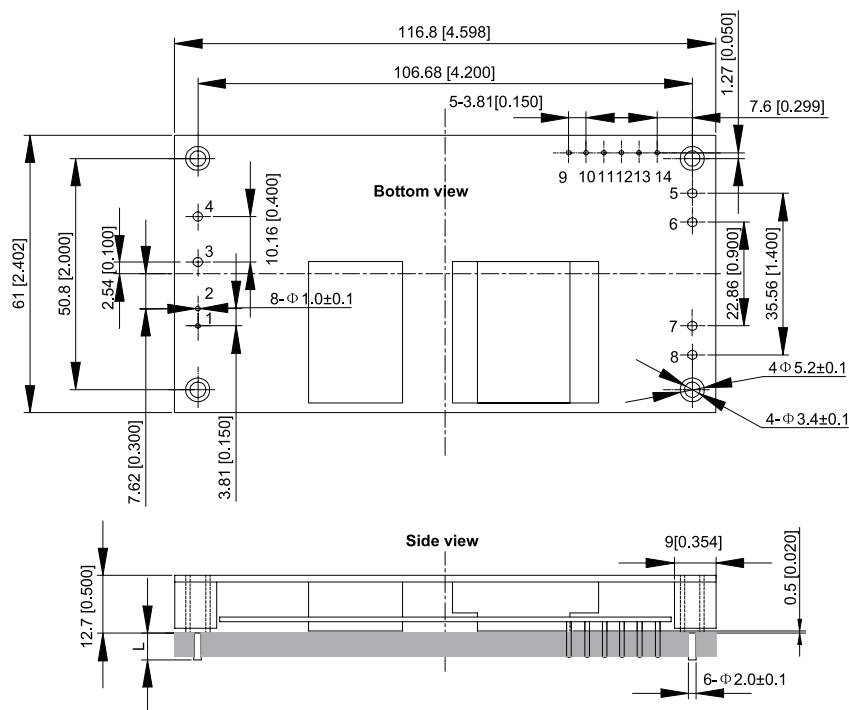
Model number	Input voltage	Output voltage	Power
AGF600-24S28-6L	18-36 Vin	28 V @ 21.5 A	600 W

Standard version is negative enable

"-6" = 3.8 mm pin length

"-L" = RoHS 6 compliance

MECHANICAL DRAWING



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	+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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ABOUT ADVANCED ENERGY

Advanced Energy (AE) has devoted more than three decades to perfecting power for its global customers. AE designs and manufactures highly engineered, precision power conversion, measurement and control solutions for mission-critical applications and processes.

Our products enable customer innovation in complex applications for a wide range of industries including semiconductor equipment, industrial, manufacturing, telecommunications, data center computing, and medical. With deep applications know-how and responsive service and support across the globe, we build collaborative partnerships to meet rapid technological developments, propel growth for our customers, and innovate the future of power.

PRECISION | POWER | PERFORMANCE

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