

## AGF700 Series

700 Watts

### Data Sheet

**Total Power:** 700 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/CSA 62368-1
- IEC62368-1



### Electrical Specifications

#### Input

Input range	36 - 75 VDC
Efficiency <sup>2</sup>	94.5%

#### Output

Voltage tolerance	+/-1%
Line regulation	15 mV
Load regulation	60 mV
Noise/ripple	250 mV
Overvoltage protection	Hiccup
Overtemperature protection	Auto restart
Switching frequency	320 KHz
Temperature co-efficient:	±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	

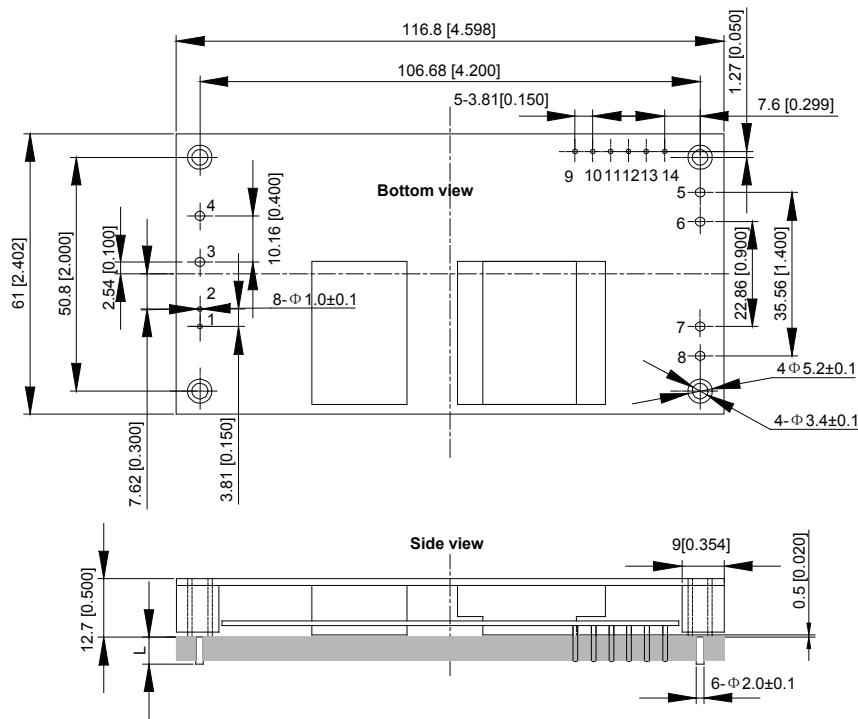
Ordering Information

Model number	Input voltage	Output voltage	Power
AGF700-48S30LT	36-75 Vin	30 V @ 25 A	700 W

Standard version is negative enable

- “-6” = 3.8mm pin length
- “-L” = RoHS 6 compliance
- “-T” = Through-hole fixture

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.]

Pin length option

Device code suffix	L
-4	4.8 mm ± 0.5 mm
-6	3.8 mm ± 0.5 mm
-8	2.8 mm ± 0.5 mm
None	5.8 mm ± 0.5 mm

## Pin Designations

Pin No.	Name	Function
1	+On/Off	Remote control
2	-On/Off	Remote control
3	$V_{in+}$	Positive input voltage
4	$V_{in-}$	Negative input voltage
5,6	$V_{o-}$	Negative output voltage
7,8	$V_{o+}$	Positive output voltage
9	AUX	Auxiliary voltage
10	IOG	Inverter operation good
11	NC	
12	Trim	Trim terminal
13	+S	Remote sensing +
14	-S	Remote sensing -

**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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