POWER

AGF700 Series

700 Watts

Data Sheet

Total Power: 700 Watts
Input Voltage: 36 - 75 V
# of Outputs: Single



RoHS 6/6 COMPLIANT

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[2]:	94.5%
Output	
Voltage tolerance:	+/-1%
Line regulation:	15mV
Load regulation:	60mV
Noise/ripple:	250mV
Over voltage protection:	Hiccup
Over temperature protection:	Auto restart
Switching frequency:	320 KHz
Temperature coefficient:	±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	

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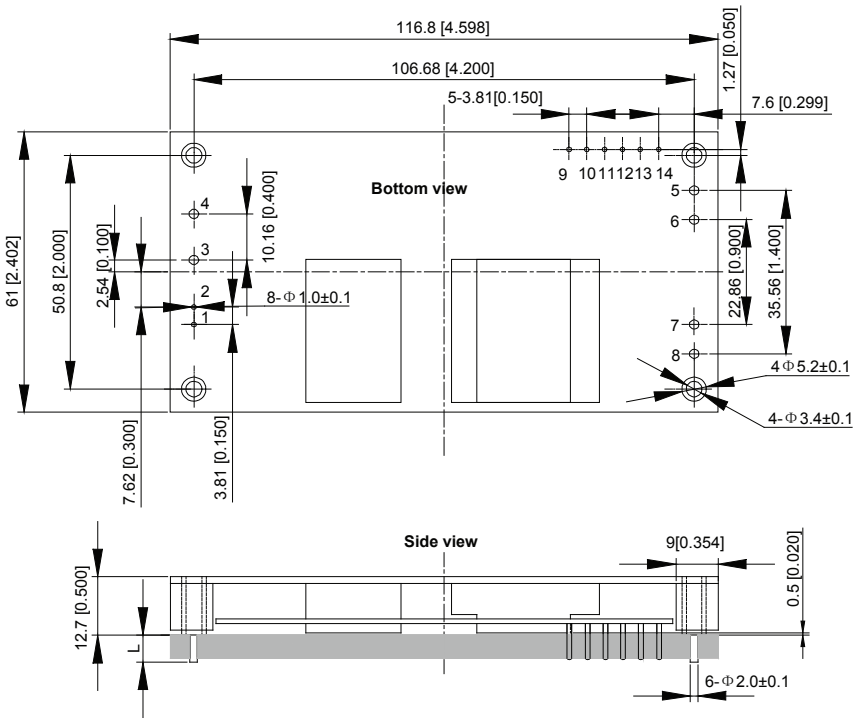
Ordering Information

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

- Standard version is negative enable
- "-6" = 3.8mm pin length
- "-L" = Rohs6 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	4.8mm ± 0.5 mm
-6	3.8mm ± 0.5mm
-8	2.8mm ± 0.5mm
None	5.8mm ± 0.5mm

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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