

5 Watt, AHC Series, Encapsulated Power Supply

ALL PSU LTD
Electronic Power Solutions

- Universal AC Input
- Fully Encapsulated, PCB Mounting Plastic Case, plus options of Chassis or DIN Rail Mounting with Screw Terminal connections*
- Extra Wide Temperature Range
- Short Circuit, OVP Protected
- Convection Cooled
- Full Approvals: UL/CE
- Low Ripple And Noise



Specification

Input Voltage.....	90~264 VAC, 47~440 Hz (120-370 VDC)
Inrush Current.....	10 A @ 115 VAC, 20 A @ 230 VAC
Output Voltage.....	See table below, +/-2% preset accuracy
Load Regulation (5% to full load).....	+/-0.5%
Line Regulation (full range).....	+/-0.3%
Over Voltage Protection.....	Zener diode clamp
Short Circuit Protection.....	Hiccup mode, indefinite (automatic recovery)
Hold Up Time.....	15 ms, min.
Input to Output Isolation.....	I/P-O/P: 3 kVAC,
Operating Temperature	-25 to +70 °C, (see derating curve), (add suffix "-E1" for -40 °C operation).
Storage Temperature.....	-40 to +85 °C
Switching Frequency.....	132 kHz
Safety Standards.....	UL/cUL, EN60950, CE
EMC.....	EN55022 Class B
Mechanical, (PCB Mount Version).....	Encapsulated, 50.8 x 25.4 x 15.16 mm
Connections Input & Output.....	PCB mounting: through hole pins
Mechanical Options.....	Chassis mounting with screw terminal connections DIN Rail mounting with screw terminal connections

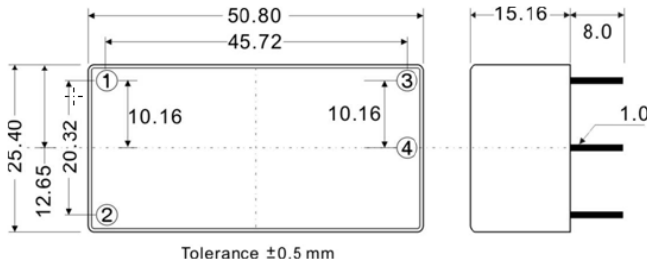
Models and Ratings (Single Output)

Model	Output Volts DC	Output Current	Efficiency
AHC-3.3S-AP	3.3 V	1.25 A	64%
AHC-5S-AP	5.0 V	1.0 A	67%
AHC-12S-AP	12.0 V	0.42 A	73%
AHC-15S-AP	15.0 V	0.333 A	73%
AHC-24S-AP	24.0 V	0.23 A	75%

Please see next page for mechanical drawings.

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Standard PCB Mounting Version (Top View)



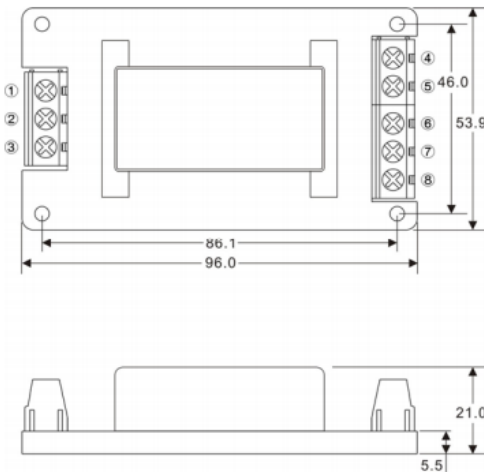
Pinout

Pin	Function
1	AC Neutral
2	AC Live
3	+DC Out
4	-DC Out

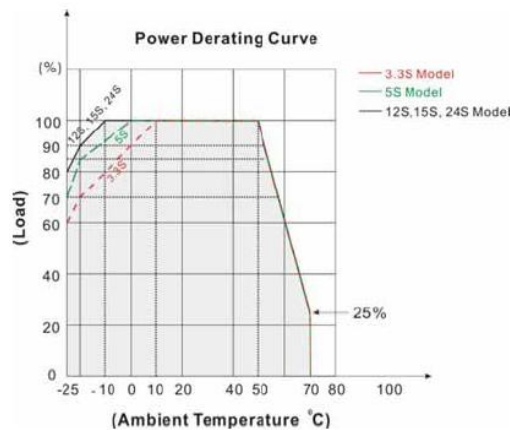
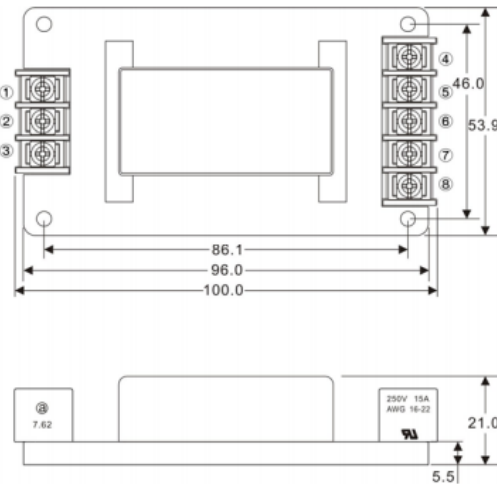
*Mechanical Options - add suffix:

- A2 = Chassis mounting with screw terminals for stripped wires input and output
 - A5 = Chassis mounting with screw terminals for crimped terminals input and output
 - DN= DIN Rail mounting with screw terminal connections (DIN Rail mounting Clip added to above).
- Please contact ALL PSU sales office for further details

Option "A2"



Option "A5"



Specifications may change without notice. E&OE. ALL PSU Terms & Conditions apply.