

5 Watt, APC 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 extended -40 °C operation)
Storage Temperature.....	-40 to +85 °C
Switching Frequency.....	100 kHz
Safety Standards.....	UL/cUL, TUV 60950, CE
EMC.....	EN55022 Class B, EN50082-1
Mechanical (PCB Mount Version).....	Encapsulated, 55 x 45 x 20.5 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 & Dual Outputs)

Model	Output 1	Output 2	Output Current	Efficiency
APC-3.3S-AP	3.3 V		1.5 A	62%
APC-5S-AP	5.0 V		1.0 A	65%
APC-12S-AP	12.0 V		0.42 A	70%
APC-15S-AP	15.0 V		0.33 A	70%
APC-24S-AP	24.0 V		0.23 A	71%
APC-5D-AP	+5.0 V	-5.0 V	+/-0.5 A	70%
APC-12D-AP	+12.0 V	-12.0 V	+/-0.2 A	67%
APC-15D-AP	+15.0 V	-15.0 V	+/-0.16 A	67%

Note: A 1 to 4% minimum load is required on some models to maintain stated regulation contact sales office for details.

Please see next page for mechanical drawings.

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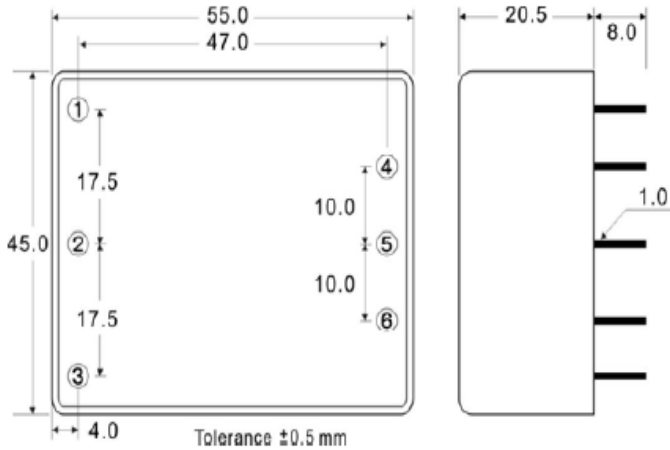
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Standard PCB Mounting Version

Pinout

Top View

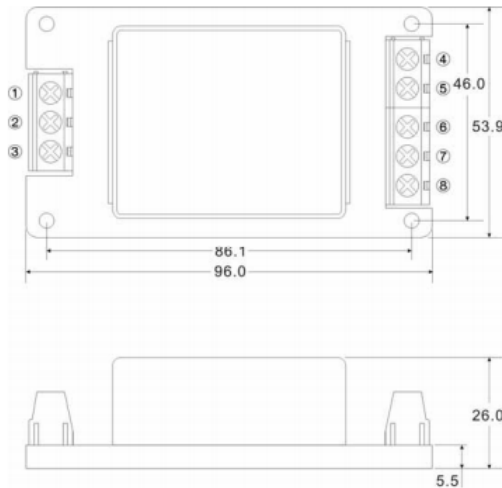


Pin	Function	
	Single o/p	Dual o/p
1	Gnd.	Gnd.
2	AC Neutral	AC Neutral
3	AC Live	AC Live
4	-DC Out	-DC Out
5	No Pin	Common
6	+DC Out	+DC Out

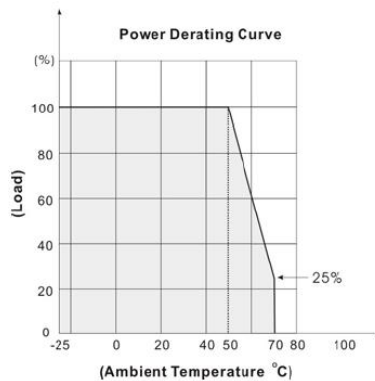
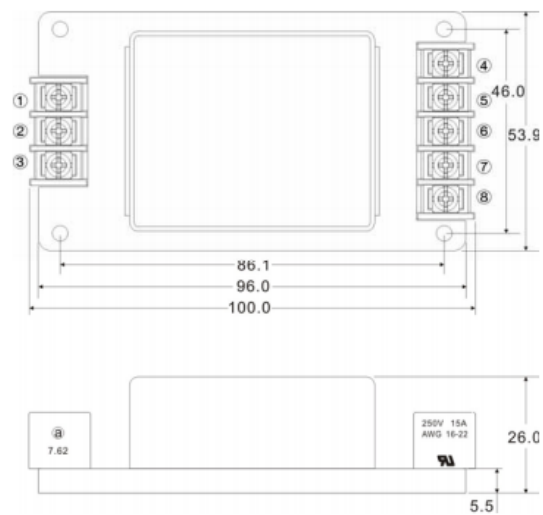
*Mechanical Options - add suffix:

- A2 = Chassis mounting with screw terminals for stripped wires
 - A5 = Chassis mounting with screw terminals for crimped terminals
 - DN = DIN Rail mounting with screw terminal connections
- 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.

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