

## 4 Watt, AOC Series, Encapsulated Power Supply

**ALL PSU LTD**  
Electronic Power Solutions

- Universal AC Input
- Fully Encapsulated, PCB Mounting Plastic Case
- Extra Wide Temperature Range From -40°C
- Short Circuit, Over Voltage, Over Power Protected
- Convection Cooled
- Full Approvals: UL/cUL/CE
- Low Ripple And Noise
- <0.3 Watts No Load Input Current
- 2 Years Warranty



### Specification

Input Voltage.....	90~264 VAC, 47~440 Hz (120-370 VDC)
Inrush Current.....	15 A @ 115 VAC, 25 A @ 230 VAC
Output Voltage.....	See table below, +/-2% preset accuracy o/p1
Load Regulation (0% to 100% load) .....	+/-1% (3.3 to 9 V o/p) +/-0.5% (12 to 24 V o/p) Dual o/p +/-0.5% o/p1, +/-5% o/p 2
Line Regulation (full range).....	+/-0.2% o/p1, +/-3% o/p2
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 .....	-40 to +70 °C, see derating curve
Storage Temperature.....	-40 to +125 °C
Switching Frequency.....	132 +/-8 kHz
Safety Standards.....	UL/cUL, CE
EMC.....	EN55022 Class B, EN55024
MTBF.....	>350K hours @ 25°C (MIL-HDBK-217F)
Mechanical (PCB Mount Version).....	Encapsulated, 36.6 x 27.1 x 17.1 mm
Connections Input & Output.....	PCB mounting: through hole pins

### Models and Ratings (Single & Dual Outputs)

Model	Output 1	Output 2	Output Current	Efficiency
AOC-3.3S	3.3 V		1200mA	70%
AOC-5S	5.0 V		800mA	72%
AOC-8S	8.0 V		500mA	76%
AOC-9S	9.0 V		444mA	76%
AOC-12S	12.0 V		333mA	76%
AOC-14S	14.0 V		286mA	76%
AOC-15S	15.0 V		267mA	76%
AOC-24S	24.0 V		167mA	77%
AOC-5S3.3S	+5.0 V	+3.3 V	600 / 150mA	73%
AOC-8S5S	+8.0 V	+5.0 V	375 / 120mA	76%
AOC-12S5S	+12.0 V	+5.0 V	250 / 120mA	77%

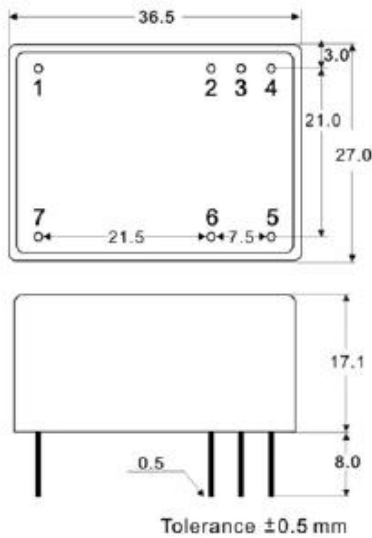
Please see next page for mechanical drawings.

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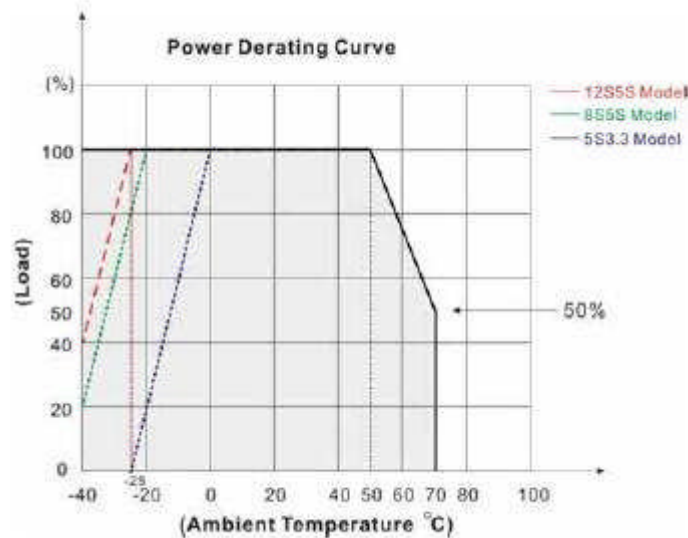
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## Mechanical Details, (Top View)



## Pinout

Pin	Function	
	Single o/p	Dual o/p
1	N/C	N/C
2	+V Out	+V 1 Out
3	0 V Out	0 V Out
4	N/C	+V 2 Out
5	AC Live in	AC Live in
6	AC Neutral in	AC Neutral in
7	N/C	N/C
N/C = pin with no connection		



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

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