



# 110W Universal Industrial Series PSA110 Quad Output L-Bracket



## Features

- Integral EMI filter
- Low Profile Design
- Cover Available
- Over Voltage Protection

## Applications

- Network
- Low Profile Racks
- Computer Peripherals
- Business Machines

## Safety Approvals

- UL 1950
- TUV EN 60950
- CSA 22.2 234
- CE (Low Voltage Directive)

## Mechanical Characteristics

- Dimensions:
- Length: 172.7mm (6.81in)
  - Height: 43.6mm (1.7in)
  - Width: 93.5mm (3.7in)
  - Weight: 0.72kgm (1.6lb)

## Output Specifications

Model	DC Output Voltage	Load				Ripple(1) P-P	Total Regulation
		Min.	Convection	30cfm	Peak		
PSA-110-401	+5V	2A	7A	9A	9A	50mV	±2%
	+12V	1A	3A	3.5A	5A	100mV	±6%
	-5V	0A	0.5A	0.75A	1A	100mV	±6%
	-12V	0A	0.5A	0.75A	1A	100mV	±6%

(1) Measured by using a 12 inch twisted pair terminated with a 10mfd capacitor and 0.1mfd ceramic capacitor in parallel with primary and secondary ground holes connected together.  
 (2) Maximum continuous output power shall not exceed 80 watts convection or 110 watts fan cooled.

**AC Input Voltage**

90VAC-264VAC

**AC Frequency**

47 to 63Hz

**AC Input Current**

3A maximum (115V)  
1.5A Maximum (230V)

**Leakage Current**

0.75mA  
(254VAC, 50Hz)

**AC Inrush Current**

25A at 115VAC  
50A at 240VAC

**Efficiency**

70% typical at full load, 120VAC

**Hold-up Time**

16msec. at full load, 120VAC

**Switching Frequency**

50KHz, typical

**Overvoltage Protection**

5.5 to 6.5V (+5 Output)

**Overcurrent Protection**

Short circuit protected  
Auto-Restart

**Operation Temperature**

0 to +50°C

**Storage Temperature**

-25 to +85°C

**MTBF**

Calculated  
Greater than 100,000 hours,  
full load, 25°C  
(MIL-HDBK-217F)

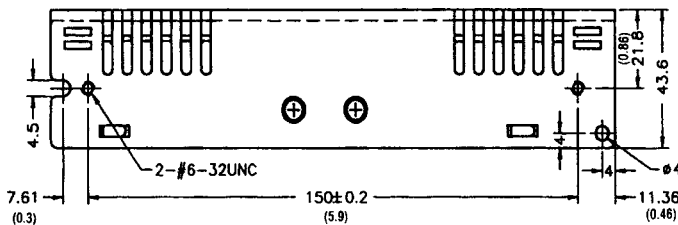
**EMI**

FCC Class A  
VDE 0871 Class A  
Class B Available)

**Mating Connectors**

AC: Molex 09-50-3051  
DC: Molex 09-50-3081

**Dimension Diagram Unit: mm (inch)**



Connections:  
Pins 1,2 -  
Pins 5,6 - V2  
Pins 9,10 - V3  
Pin 12 - V4  
Pins 3,4,7,8,11 - Return

