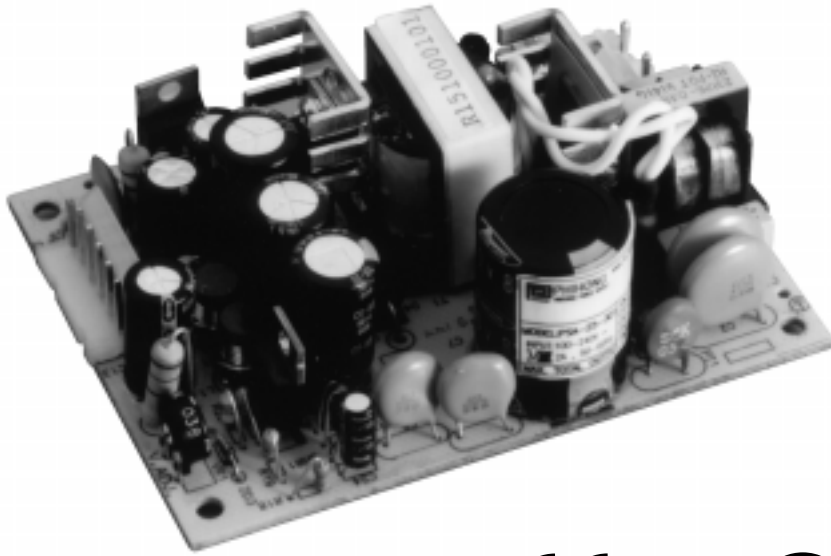


# 25W Universal Input Series

## PSA-25 Series Switching Power Supply



### Features

- 100% Burn-in
- Built-in EMI filter
- High efficiency
- Low output ripple
- Short circuit protection
- Over voltage protection

### Applications

- Microcomputers
- Small drive systems
- Peripheral equipment
- Test equipment

### Safety Compliance

- UL 1950 [E134610]
- CSA 22.2 234 [LR 56927-137]
- VDE 0805/IEC 950 [74711]

### Mechanical Characteristics

- Dimensions:
- Length: 101.6mm (4.0in)
  - Width: 76.2mm (3.0in)
  - Height: 33mm (1.3in)
  - Weight: 0.25kgs (0.55lbs)

### Output Specifications

Model	DC Output Voltage	Load				Ripple P-P	Total Tolerance	Output Pins
		Min.	Max.	@20CFM	Peak			
PSA-25-105	+5V	0.0A	4.0A	6.0A	8.0A	50mV	+2%	1,2
PSA-25-112	+12V	0.0A	2.0A	3.2A	4.0A	120mV	+2%	1,2
PSA-25-115	+15V	0.0A	1.6A	2.5A	3.5A	150mV	+2%	1,2
PSA-25-124	+24V	0.0A	1.1A	1.8A	2.0A	240mV	+2%	1,2
PSA-25-301	+5.1V	0.3A	2.0A	3.0A	5.0A	50mV	+2%	2,3
	+12V	0.1A	1.0A	1.5A	2.0A	120mV	+5%	1
	-12V	0.0A	0.3A	0.5A	0.5A	120mV	+5%	6
PSA-25-303	+5.1V	0.3A	2.0A	3.0A	5.0A	50mV	+2%	2,3
	+12V	0.1A	1.0A	1.5A	2.0A	120mV	+5%	1
	-5V	0.0A	0.3A	0.5A	0.5A	50mV	+5%	6
PSA-25-305	+5.1V	0.3A	2.0A	3.0A	4.0A	50mV	+2%	2,3
	+15V	0.1A	0.7A	1.2A	1.2A	150mV	+5%	1
	-15V	0.0A	0.3A	0.5A	1.0A	150mV	+5%	6

- (1) Total output power must not exceed 25W at convection cooling and 40W at 20CFM air flow condition.
- (2) Peak output current lasting less than 30 seconds with duty cycle less than 10%. During peak loading, peak total power must not exceed 40W.
- (3) Ripple & noise is measured at 20MHz bandwidth limit by use a 10 inch twisted wire terminated with a 10µf capacitor in parallel 0.1µf ceramic capacitor.

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# 25W Universal Input Series

## PSA-25 Switching Power Supply

### Characteristics

**AC input Voltage**  
90VAC-260VAC

**AC Frequency**  
47 to 63Hz

**AC Input Current**  
0.8A(rms) for 115VAC  
0.4A(rms) for 230VAC

**DC Output**  
See Chart

**Efficiency**  
70% typical at full load

**Hold-up Time**  
16msec. at full load,  
115VAC input

**Overvoltage Protection**  
5.6V to 6.5V on main output

**Overcurrent Protection**  
All outputs equipped with  
automatic recovery current  
limiting circuit

**Operation Temperature**  
0 to +40°C

**Temperature Coefficient**  
0.04% per °C

**Storage Temperature**  
-25°C to +85°C

**Insulation Resistance**  
50M ohm min. from input to output,  
input to ground

**MTBF**  
Calculated  
Greater than 100,000 hours,  
(MIL-HDBK-217)

**Emissions**  
FCC Class B  
EN 50081-1: EN 55022 B

**Immunity**  
EN 50082-1: IEC 801-2 Level 3  
IEC 801-3 Level 2  
IEC 801-4 Level 2



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### Dimension Diagram Unit: mm (inch)

