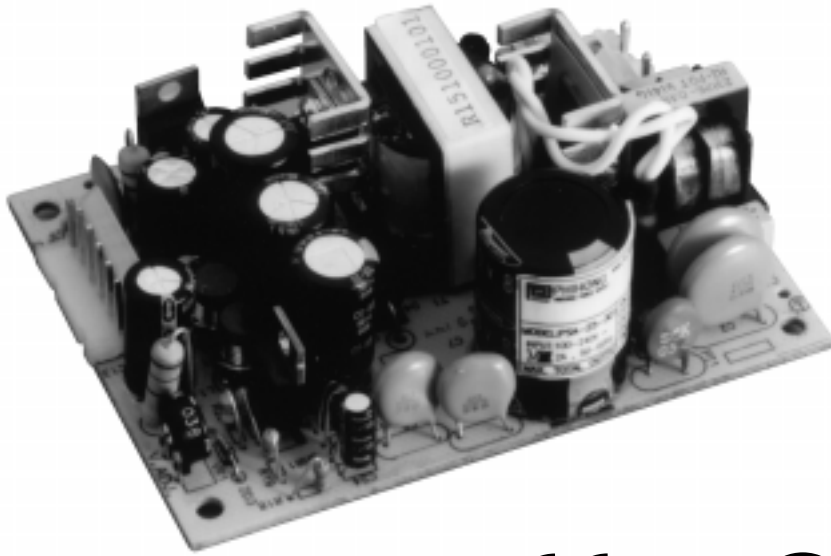


# 25W Universal Input Series

## 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.

CONVERT

# 25W Universal Input Series

## PSA-25 Switching Power Supply

### Characteristics

<b>AC input Voltage</b> 90VAC-260VAC	<b>Operation Temperature</b> 0 to +40°C
<b>AC Frequency</b> 47 to 63Hz	<b>Temperature Coefficient</b> 0.04% per °C
<b>AC Input Current</b> 0.8A(rms) for 115VAC 0.4A(rms) for 230VAC	<b>Storage Temperature</b> -25°C to +85°C
<b>DC Output</b> See Chart	<b>Insulation Resistance</b> 50M ohm min. from input to output, input to ground
<b>Efficiency</b> 70% typical at full load	<b>MTBF</b> Calculated Greater than 100,000 hours, (MIL-HDBK-217)
<b>Hold-up Time</b> 16msec. at full load, 115VAC input	<b>Emissions</b> FCC Class B EN 50081-1: EN 55022 B
<b>Overvoltage Protection</b> 5.6V to 6.5V on main output	<b>Immunity</b> EN 50082-1: IEC 801-2 Level 3 IEC 801-3 Level 2 IEC 801-4 Level 2
<b>Overcurrent Protection</b> All outputs equipped with automatic recovery current limiting circuit	



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### Dimension Diagram Unit: mm (inch)

