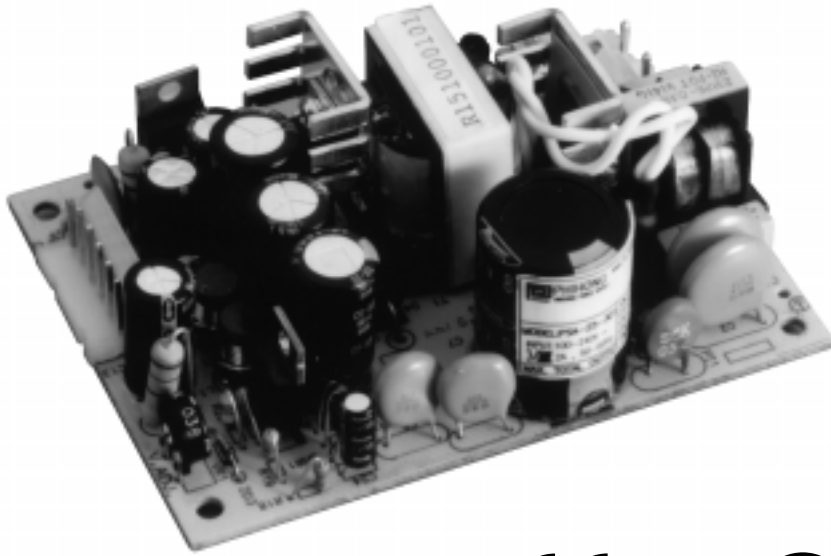


25W Universal Input Series

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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ISO 9001 • BAPT • MITI
Facility Approvals

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)

