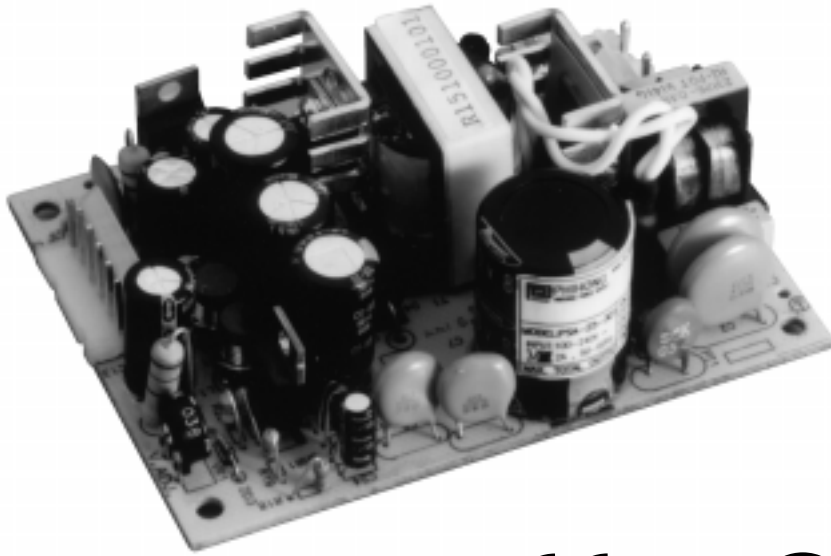


25W Universal Input Series

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



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Dimension Diagram Unit: mm (inch)

