

Desk Top Power Supplies

**POWER
SOLVE**

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PSD25 Series 20-25 Watts Switch Mode Universal AC Input



Features

- Universal Input: 90-264Vac
- Continuous Short Circuit Protection
- Meets EN55022 Class "B" Conducted



Specification

INPUT

Voltage	90 - 264 VAC
Frequency	47 - 63 Hz
Inrush current	50A max @ 264 VAC
Conducted EMI	CISPR/FCC Class B
Isolation	Input to output = 4.242Vdc
Leakage current	1.5mA max.

OUTPUT

Holdup Time	16mS typ. @ 116Vac
Short Circuit Protection	Continuous
Over Voltage Protection	Optional

ENVIRONMENTAL

Operating temperature	0°C to +40°C
Storage temperature	-20°C to +85°C

MECHANICAL

Dimensions	5.20 x 2.29 x 1.18 inches
Weight	0.77 Pounds
AC Inlet	IEC320/C14

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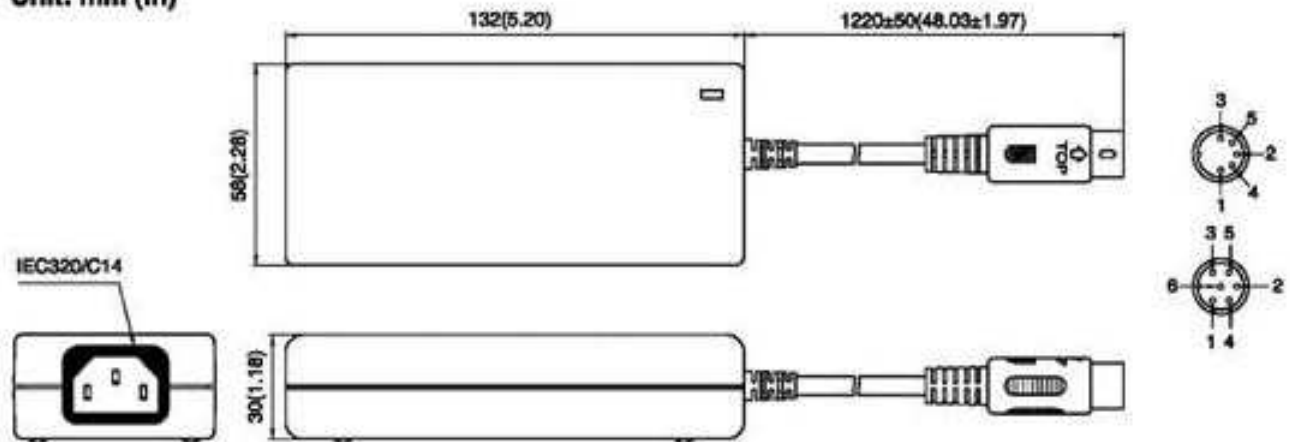
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Model	Output Voltage (Volts)	Output Current (AMPS)			Peak ¹ (Amps)	Ripple ² P-P (mV)	Total Regulation ³	O/P Power Max.
		Min.	Rated.	Max.				
PSD25-01Y	+3.3V (V1)	0.3	3	4	5	50	±7%	20W
	+5V (V2)	0.2	2	3	4	50	±5%	
PSD25-02Y	+5V (V1)	0.2	2	3	4	50	±5%	25W
	+12V (V2)	0.13	1.3	2	3	120	±5%	
PSD25-03Y	+5V (V1)	0.2	2	3	4	50	±5%	25W
	+15V (V2)	0.1	1	1.5	2	150	±5%	
PSD25-04Y	+5V (V1)	0.2	2	3	4	50	±5%	25W
	+24V (V2)	0.1	0.6	1	1.5	240	±5%	

Note:

1. Peak output current (total output power must be less than 32W) lasting less than one minute with duty factor less than 5%.
2. Add a 1µF ceramic capacitor and a 10µF E.L. capacitor to the output cable. Peak to Peak and RMS metering equipment shall have a 20 MHz response with probes and cables maintaining frequency response from 200Hz to 100MHz bandwidth. Output ripple and spikes are measured directly at the output terminals of the power supply without the use of the probe ground clip.
3. Total regulation is defined as the static output regulation at 25°C including initial tolerance, line voltage within stated limits. And load currents within stated limits, but when V1 exceed stated load, the total regulation will be ±10%.

Unit: mm (In)



*All dimensions in mm (inch)

DC plug & pin assignment

Pin	Function	- 14 A 0 2	- 3 5 A 0 2
1.	GND		
2.	GND		
3.	NC	DIN PLUG	DIN PLUG
4.	V1	(5P 180)	(6P 240)
5.	V2		
6.	V1		

Y SEC-GND is isolated from AC-GND