




Size: 3.94in x 1.82in x 0.87in

FEATURES

- RoHS Compliant
- ±10% Voltage Adjustment Range
- Free Air Convection
- 85~264VAC (120~370VDC) Input Voltage Range
- High Reliability
- 100% Full Load Burn-In Tested
- Miniature PCB Structure
- 15W Output Power
- 5, 12, 24, and 48VDC Output Voltages Available
- Short Circuit, Over Load, Over Voltage, and Over Temperature Protection
- UL60950, GB4943, and EN 60950 Safety Approvals

DESCRIPTION

The PSHF15W series of AC/DC power supplies offers 15W of output power in a 3.94in x 1.82in x 0.87in miniature open frame package. This series consists of 5, 12, 24, and 48VDC single output models with a universal input voltage range of 85~264VAC (120~370VDC). These supplies have a ±10% output adjustment range and are protected against short circuit, over load, over voltage and over temperature conditions. This series is RoHS compliant and has UL60950, GB4943, and EN60950 safety approvals.

MODEL SELECTION TABLE

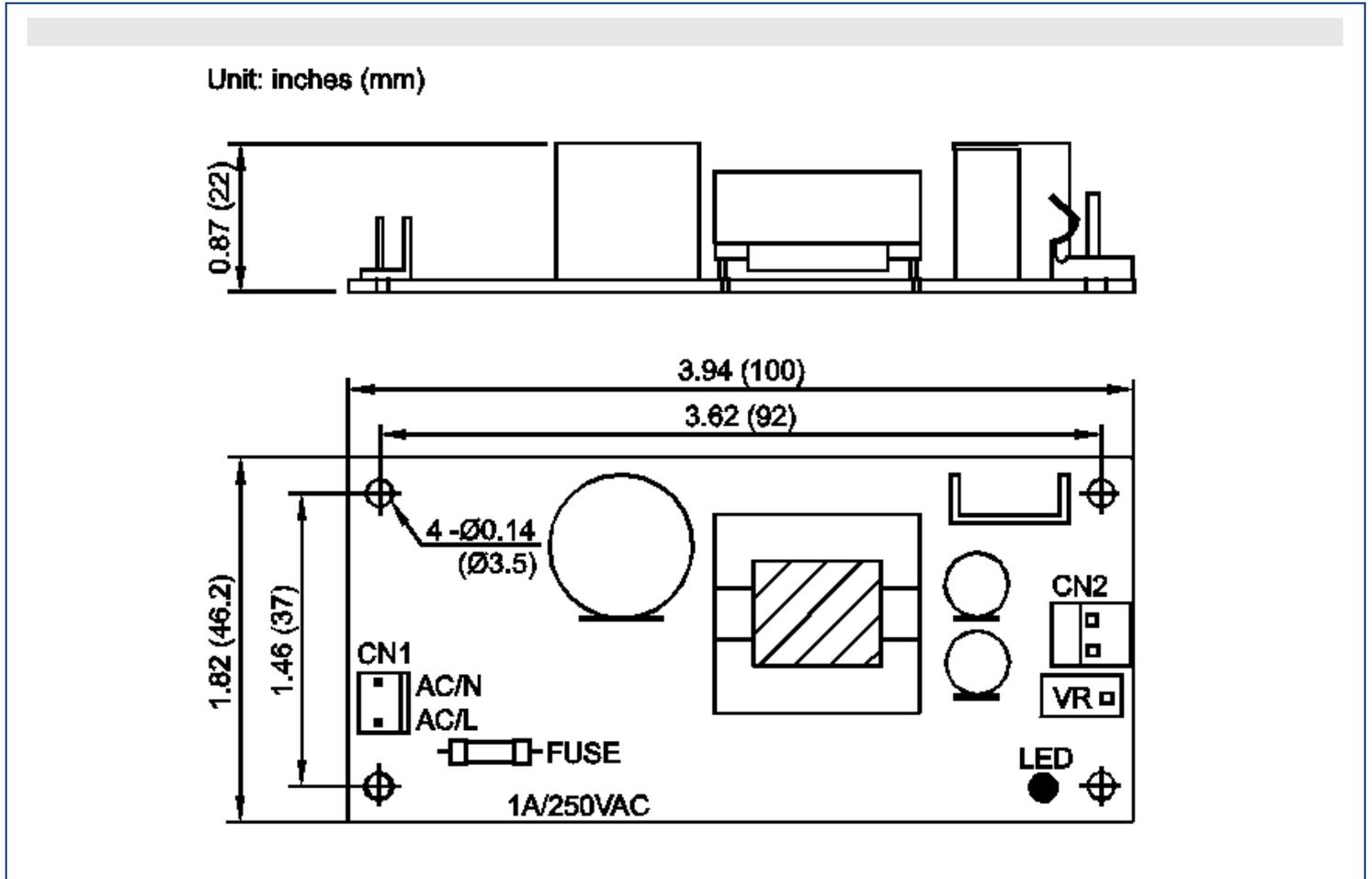
Model Number	Input Voltage Range	Output Voltage	Output Current	Ripple & Noise	Output Power	Efficiency
PSHF15W-SPL-5	85~264VAC or 120~370VDC	5VDC	3A	60mVp-p	15W	68%
PSHF15W-SPL-12		12VDC	1.3A	80mVp-p	15.6W	74%
PSHF15W-SPL-15		15VDC	1A	120mVp-p	15W	82%
PSHF15W-SPL-24		24VDC	0.65A	150mVp-p	15.6W	76%
PSHF15W-SPL-48		48VDC	0.32A	200mVp-p	15.4W	77%

SPECIFICATIONS

All specifications are based on 25°C, Nominal Input Voltage, and Maximum Output Current unless otherwise noted.
We reserve the right to change specifications based on technological advances.

SPECIFICATION	TEST CONDITIONS	Min	Typ	Max	Unit
INPUT SPECIFICATIONS					
Input Voltage Range	AC input voltage range	85		264	VAC
	DC input voltage range	120		370	VDC
Inrush Current	At 115VAC		15		A
	At 230VAC	Cold Start	30		
OUTPUT SPECIFICATIONS					
Output Voltage		See table			
Output Voltage Adjustment Range		-10		+10	%
Line Regulation	Full Load	-0.5		+0.5	%
Load Regulation			0.5		%
Output Power		See Table			
Output Current		See Table			
Ripple & Noise (20MHz bandwidth)		See Table			
Rise Time	Full Load		50		ms
Hold-Up Time	Full Load		20		ms
PROTECTION					
Short Circuit Protection		Yes			
Over Load Protection	Hiccup mode, automatic recovery	110		150	%
Over Voltage Protection		115		150	%
Over Temperature Protection		IC, Tj: 135°C, power shutdown			
ENVIRONMENTAL SPECIFICATIONS					
Operating Temperature		-10		+50	°C
Storage Temperature		-20		+85	°C
Operating Humidity	Non-Condensing	20		93	%RH
Storage Humidity	Non-Condensing	20		95	%RH
Cooling Method		Free Air Convection			
GENERAL SPECIFICATIONS					
Efficiency		See Table			
Withstand Voltage	Input to Output	3000			VAC
	Input to FG	1500			
	Output to FG	500			
PHYSICAL SPECIFICATIONS					
Dimensions (L x W x H)		3.94in x 1.82in x 0.87in (100mm x 46.2mm x 22mm)			
Connection		2P/2.54mm, 2P/3.96mm pitch			
SAFETY & EMC CHARACTERISTICS					
Safety Standards		UL60950, EN60950, GB4943			
EMC Standards		GB9254			
		EN55022			
		EN61000			
		Class B			

MECHANICAL DRAWINGS



COMPANY INFORMATION

Wall Industries, Inc. has created custom and modified units for over 50 years. Our in-house research and development engineers will provide a solution that exceeds your performance requirements on-time and on budget. Our ISO9001-2008 certification is just one example of our commitment to producing a high quality, well-documented product for our customers.

Our past projects demonstrate our commitment to you, our customer. Wall Industries, Inc. has a reputation for working closely with its customers to ensure each solution meets or exceeds form, fit and function requirements. We will continue to provide ongoing support for your project above and beyond the design and production phases. Give us a call today to discuss your future projects.

Contact **Wall Industries** for further information:

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