

PSx15A SERIES



15W Fixed Wall Plug Series Adapter



Key Product Features

- Double Insulated
- DOE Level VI Compliant
- Class B EMI
- High Efficiency
- Limited Power Source (LPS)

Applications

- Wireless Communications
- Portable Equipment
- Peripherals
- Networking

Description

The Phihong 15-Watt Fixed Wall Plug Adapter Series stands as a prime example of efficiency and reliability in power delivery solutions. These adapters seamlessly integrate with various electronic devices, ensuring consistent and stable power supply. This series of adapters offers a versatile range of output voltages, catering to diverse electronic devices and applications. With their fixed wall plug design, users can enjoy a straightforward and trouble-free installation experience. Whether for networking, personal electronics, home appliances, or industrial equipment, the Phihong 15-Watt Fixed Wall Plug Adapter Series stands as a testament to Phihong's commitment to innovation and quality in the realm of power electronics. Compliance with UL/cUL, DoE Level VI, and NRCAN* standards serves as a testament to its quality and reliability, solidifying its position as the preferred option for powering electronic devices.

***NRCAN approval for PSA15A-150P6-R and PSA15A-480P6-R models only**

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Specifications¹

Model		PSC15A-050-R [*]	PSC15A-060-R [*]	PSC15A-075-R [*]	PSC15A-090-R [*]
Output	DC Output Voltage	5.0V	5.9V	7.5V	9.0V
	Max Current	3.0A	2.5A	2.0A	1.67A
	Output Power	15.0W	14.75W	15.0W	15.0W
	Regulation	± 5%	± 5%	± 5%	± 5%
	Ripple & Noise P-P(max) ²	100mV	100mV	100mV	120mV
Input	AC Input Voltage Range	90 to 264VAC			
	AC Input Frequency	47 to 63Hz			
	Input Current	0.5A (RMS) max for 120Vac/max load 0.25A (RMS) max for 240Vac/max load			
	Inrush Current	40A max for 120VAC, 60A max for 240VAC (Cold start at ambient 25°C, full load)			
	No Load Power Consumption at 115VAC Input	≤0.1W			
	115VAC Average Efficiency ³	≥81.39%	≥81.28%	≥84.13%	
	Leakage Current	0.25mA max			
Protection	Over-Voltage	<7.5V	<8V	<10V	<13V
	Short Circuit	The output can be shorted permanently without damage.			
	Over-Current	4A max	>3.2A	>2.5A	>2A
Environmental	Operating Temperature	0°C to +40°C			
	Non-Operating Temperature	-40° to +85°C			
	Operating Humidity	50 to 90%			
Safety Approvals and EMC	Dielectric Withstand (HI-POT)	Primary to Secondary: 3000VAC for 1min, 10mA			
	Insulation Resistance	Primary to Secondary: >7M ohm for 500VDC			
	Standards	cULus 62368-1			
	EMI Emissions	FCC Part 15 Class B & CAN ICES-003(B)/NMB-003(B) Conducted & Radiated			
	Harmonic Current Emissions	IEC 61000-3-2			
	Voltage Fluctuations & Flicker	IEC 61000-3-3			
	Immunity	EN 55035/CISPR 35: IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11			
Mechanical	Dimensions (L x W x H)	71.7mm (2.82in) x 50mm (1.97in) x 33.2mm (1.31in)			
	Weight	115g			
	DC Cord	1500mm			
	DC Output Connector	5.5mm x 2.1mm x 10mm center positive			

Model		PSA15A-120P6-R*	PSA15A-150P6-R*
Output	DC Output Voltage	12.0V	15.0V
	Max Current	1.25A	1.0A
	Output Power	15.0W	15.0W
	Regulation	± 5%	± 5%
	Ripple & Noise P-P(max) ²	100mV	100mV
Input	AC Input Voltage Range	90 to 264VAC	
	AC Input Frequency	47 to 63Hz	
	Input Current	0.5A (RMS) max for 120Vac/max load 0.25A (RMS) max for 240Vac/max load	
	Inrush Current	30A max for 120VAC, 60A max for 240VAC (Cold start at ambient 25°C, full load)	
	No Load Power Consumption at 115VAC Input	≤0.1W	
	115VAC Average Efficiency ³	≥84.13%	
	Leakage Current	0.25mA max	
Protection	Over-Voltage	<20V	<22V
	Short Circuit	The output can be shorted permanently without damage.	
	Over-Current	>1.35A	>1.2A
Environmental	Operating Temperature	0°C to +40°C	
	Non-Operating Temperature	-40° to +85°C	
	Operating Humidity	90% relative humidity max	
Safety Approvals and EMC	Dielectric Withstand (HI-POT)	Primary to Secondary: 3000VAC for 1min, 10mA	
	Insulation Resistance	Primary to Secondary: >7M ohm for 500VDC	
	Standards	cULus 62368-1	
	EMI Emissions	FCC Part 15 Class B & CAN ICES-003(B)/NMB-003(B) Conducted & Radiated	
	Harmonic Current Emissions	IEC 61000-3-2	
	Voltage Fluctuations & Flicker	IEC 61000-3-3	
	Immunity	EN 55035/CISPR 35: IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11	
Mechanical	Dimensions (L x W x H)	71.7mm (2.82in) x 50mm (1.97in) x 33.2mm (1.31in)	
	Weight	115g	
	DC Cord	1500mm	
	DC Output Connector	5.5mm x 2.1mm x 10mm center positive	

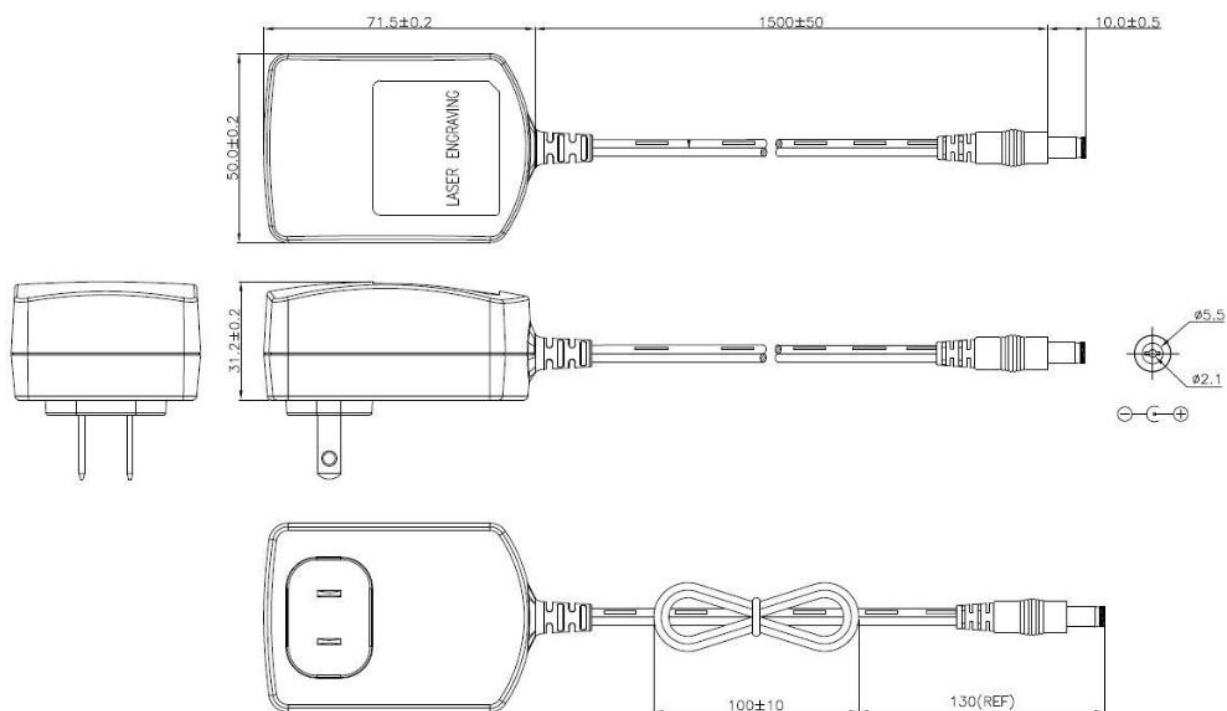
Model		PSA15A-240P6-R [*]	PSA15A-480P6-R [*]
Output	DC Output Voltage	24.0V	48.0V
	Max Current	0.625A	0.31A
	Output Power	15.0W	14.88W
	Regulation	± 5%	± 5%
	Ripple & Noise P-P(max) ²	200mV	400mV
Input	AC Input Voltage Range	90 to 264VAC	
	AC Input Frequency	47 to 63Hz	
	Input Current	0.5A (RMS) max for 120Vac/max load 0.25A (RMS) max for 240Vac/max load	
	Inrush Current	40A max for 120VAC, 60A max for 240VAC (Cold start at ambient 25°C, full load)	
	No Load Power Consumption at 115VAC Input	≤0.1W	
	115VAC Average Efficiency ³	≥84.13%	≥84.09%
	Leakage Current	0.25mA max	
Protection	Over-Voltage	<35V	<65V
	Short Circuit	The output can be shorted permanently without damage.	
	Over-Current	>0.7A	>0.4A
Environmental	Operating Temperature	0°C to +40°C	
	Non-Operating Temperature	-40° to +85°C	
	Operating Humidity	90% relative humidity max	
Safety Approvals and EMC	Dielectric Withstand (HI-POT)	Primary to Secondary: 3000VAC for 1min, 10mA	
	Insulation Resistance	Primary to Secondary: >7M ohm for 500VDC	
	Standards	cULus 62368-1	
	EMI Emissions	FCC Part 15 Class B & CAN ICES-003(B)/NMB-003(B) Conducted & Radiated	
	Harmonic Current Emissions	IEC 61000-3-2	
	Voltage Fluctuations & Flicker	IEC 61000-3-3	
	Immunity	EN 55035/CISPR 35: IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11	
Mechanical	Dimensions (L x W x H)	71.7mm (2.82in) x 50mm (1.97in) x 33.2mm (1.31in)	
	Weight	115g	
	DC Cord	1500mm	
	DC Output Connector	5.5mm x 2.1mm x 10mm center positive	
Notes	1. The specifications defined are at ambient temperature of 25°C, unless otherwise specified. 2. 20MHz bandwidth frequency oscilloscope, add a 0.1µF multilayer Cap. and Low ESR Electrolytic Cap. (10µF) at output connector terminals (nominal line voltage, full load). 3. Efficiency is measured after 30 minutes burn-in.		

*NRCan approval for PSA15A-150P6-R and PSA15A-480P6-R models only

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Outline Drawing





Supplier's Declaration of Conformity
47 CFR § 2.1077 Compliance Information

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This device complies with/The devices in this product series comply with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Mouser Electronics

Authorized Distributor

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