



# 5V/15W DoE VI Fixed Pin Adapter

PSC15X-050-R Series

● 5V/3A ● DoE VI ● Fixed Pin ● Wire ● Black



The 5V/3A DoE 6 fixed pin adaptor series is the latest offering from a world leader in charging adapter technology and manufacturing - Phihong Technology. Phihong 5V/3A value adaptor series are designed to work with most 5V powered devices and conforms to most of the industry standards and meets DoE level 6 energy efficiency requirements, we ensure our products meet or exceed all the industry performance and safety requirements.

## Features :

Efficiency	DoE Level VI (81.38%)
No Load Input Power	≤ 100mW @ 115/230Vac
Average Efficiency	81.38% Min @ 115Vac/60Hz, 230Vac/50Hz
Eff @ 10% load	69.49% Min @ 115Vac/60Hz, 230Vac/50Hz
Protection	SCP, OVP (7.5V), OCP (3.6A)
Turn-On Delay Time	<1s @ 120Vac, max load
Hold-up Time	>8mS @ 120Vac, max load
Rise Time	<100mS @ 120Vac, max load
Isolation	Primary to Secondary 3000Vac, 10mA for 1min.
Insulation	Primary to Secondary >7M ohm 500Vdc
DC Output Cable	1500±50mm, UL-2468 AWG#20
DC Output Connector	5.5x2.1x10mm, center positive, straight barrel
Dimension	71.5*50*31.2 (mm)
Weight	120 (g)

## Electrical Specifications :

Input Voltage	100~240Vac (90~264Vac min/max)
Frequency	50/60Hz Nom (47~63Hz min/max)
Input Current	500mA (RMS) @ 120Vac max load
	250mA (RMS) @ 230Vac max load
Output Voltage	5V,
Maximum Output Power	15W continuous
Output Current	3A
Output Ripple & Noise	≤ 100mV (pk-pk)
Line Regulation	±5%
Leakage Current	<0.25mA max
Inrush Current	<40A @ 120Vac/60Hz, 25°C, cold start
	<60A @ 230Vac/50Hz, 25°C, cold start

## Environmental Specifications :

Operating Temperature	0°C ~ +40°C
Storage Temperature	-40°C ~ +85°C
Operating Humidity	0% ~ 90% RH
Storage Humidity	0% ~ 90% RH
E-Cap Lifetime	>5yrs @ 80% load, 35°C ambient

## Safety and Compliance :

UL/cUL60950-1, IEC60950-1, CE approval
EMC Emission: EN55022 class B, EN61000-3-2
ESD : Air ±8KV, Contact: ±6KV E61000-4-2, Criteria A
Surge: ±2kV (L-L), EN61000-4-5, Criteria A
RF: EN55024, Criteria A
EFT: EN61000-4-4, Criteria A
Voltage Dip: EN61000-4-11

Note:

- Measurements shall be made with an oscilloscope with 20MHz bandwidth. Output shall be bypassed at a connector with a 0.1uF ceramic capacitor and a 10uF low ESR electrolytic capacitor.
- Efficiency: Measure efficiency at 100%, 75%, 50%, 25% load after burn-in 30 minutes at 100% load, then compute the arithmetic average of these 4 values.

\*X=A A=USA



PHIHONG TECHNOLOGY CO., LTD.

+886-3-3277288  
www.phihong.com.tw  
phsales@phihong.com.tw



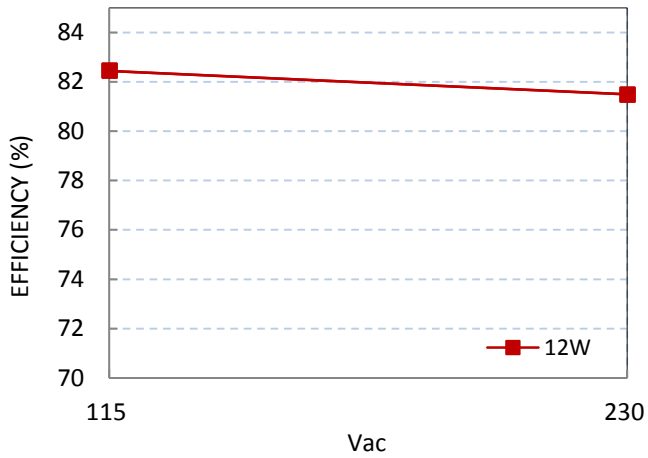
# 5V/15W DoE VI Fixed Pin Adapter

PSC15X-050-R Series

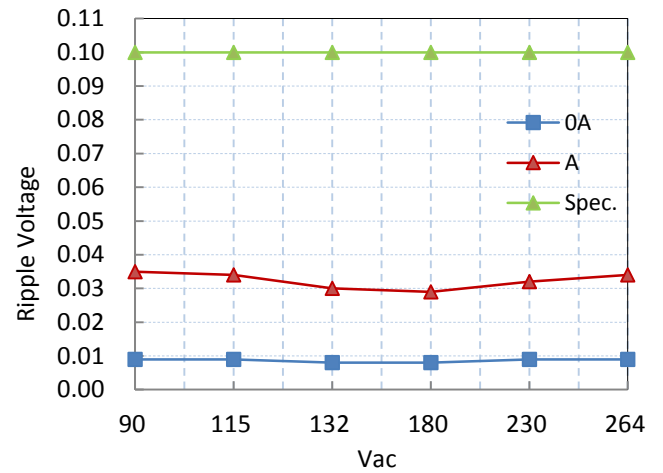
● 5V/3A ● DoE VI ● Fixed Pin ● Wire ● Black



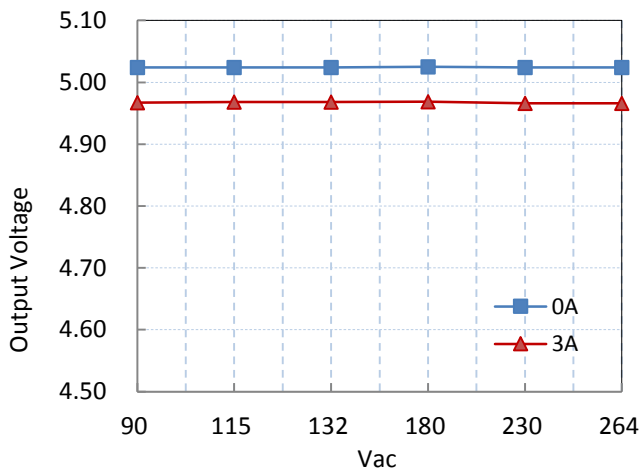
## Efficiency



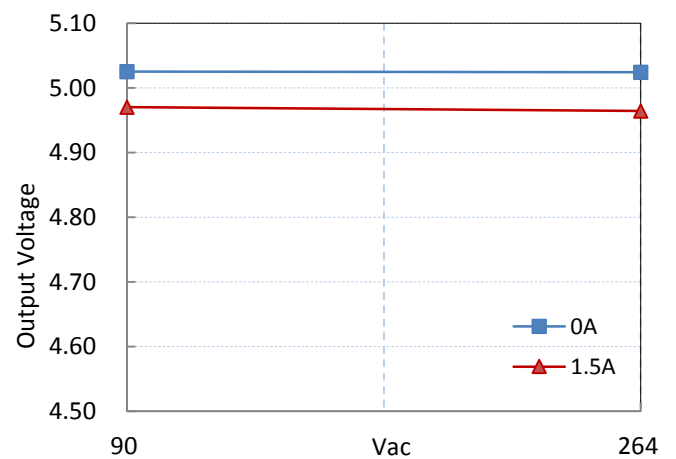
## Ripple Noise



## Line Regulation



## Load Regulation



PHIHONG TECHNOLOGY CO., LTD.

+886-3-3277288  
www.phihong.com.tw  
phsales@phihong.com.tw



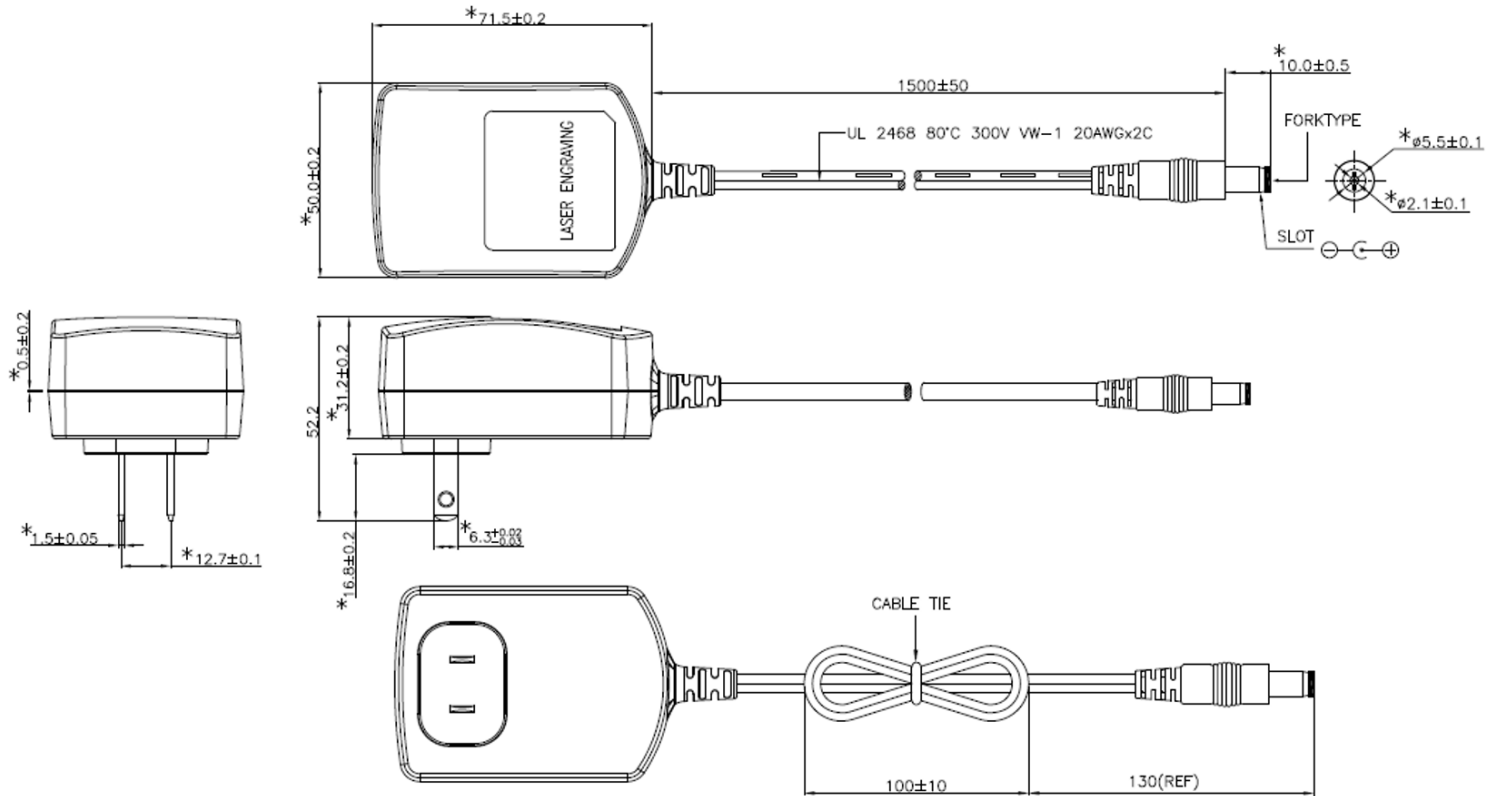
# 5V/15W DoE VI Fixed Pin Adapter

PSC15X-050-R Series

● 5V/3A ● DoE VI ● Fixed Pin ● Wire ● Black



Dimensions: mm



## Model Selections

Model Number	Plug Type	Output Current ( A ±5% )	Output Voltage ( Vdc)	Max. Output Power (W)
PSC15A-050-R	US	3	5	15

### Headquarters

No. 568, Fusing 3rd Rd.,  
Gueishan District, Taoyuan  
City, 333, Taiwan, R.O.C.  
Tel: +886-3-3277288  
Fax: +886-3-3185999  
phsales@phihong.com.tw  
www.phihong.com.tw

### Phihong USA

47800 Fremont Blvd.  
Fremont, CA 94538, USA  
Tel: +1-510-445-0100  
Fax: +1-510-445-1678  
usasales@phihongusa.com  
www.phihong.com

### Phihong China

Science & Technology Rd.,  
Silver Lake Industrial Area  
Qingxi Town, Dong Guan City,  
Guang Dong (523648), China  
Tel: +86-769-87319026  
Fax: +86-769-87317106  
phsales@phihong.com.tw

### Phihong Japan

〒135-0016 東京都江東区東陽  
3丁目23番24号 VORT 東陽町  
ビル5階  
TEL: +81-3-5677-1678  
FAX: +81-3-5634-5255  
phsales@phihong.com.tw  
www.phihong.co.jp

### Phihong Europe

Wattstraat 50, 2171 TR  
Sassenheim, The Netherlands  
Tel: +31-(0)-252-225910  
Fax: +31-(0)-252-218764  
sales@phihongeu.com  
www.phihong-lighting.com



PHIHONG TECHNOLOGY CO., LTD.

- +886-3-3277288  
- www.phihong.com.tw  
- phsales@phihong.com.tw