



# 5W Foldable Pin USB Adapter

PSA05F-050QAL6-H / PSA05F-050QAL6D-H

● 5V/1A ● DoE 6 & CoC V5 Tier 2 ● Foldable Pin ● USB ● Black



The PSA05F, 5V/1A foldable pin USB adaptor series is the latest offering from a world leader in charging adapter technology and manufacturing - Phihong Technology. The PSA05F foldable pin USB adaptor series is designed for charging your personal electronic devices and peripherals at home, in the office, or on the go. This foldable pin USB adaptor series conforms to most of the industry standards and meets DoE 6 and CoC V5 Tier 2 energy efficiency requirements. We ensure our products meet or exceed all the industry performance and safety requirements.

## Features :

Efficiency	DoE 6 & CoC V5 tier 2 (75% typ)
10% Efficiency Load	61.59% min @ 230Vac/50Hz
No Load Power	100mW @ 115Vac/60Hz 75mW @ 230Vac/50Hz
Protection	SCP, OVP, OCP
Turn On Delay Time	<1.5s @ 120Vac, max load
Hold-up Time	>5ms @ 120Vac, max load
Rise Time	<50ms @ 120Vac, max load
Isolation	Primary to Secondary 3000Vac, 10mA for 1min.
Insulation	Primary to Secondary >7M ohm 500Vdc
Dimension	60*47*15 (mm)
Weight	35 ± 3 (g)

## Electrical Specifications :

Input Voltage	100~240Vac (85~264Vac min/max)
Frequency	50/60Hz Nom (47~63Hz min/max)
Input Current	150mA (RMS) @ 120Vac max load 80mA (RMS) @ 230Vac max load
Output Voltage	5V
Output Current	1A
Maximum Output Power	5W continuous
Output Ripple & Noise	<100mV (pk-pk)
Line/Load Regulation	±5%
Leakage Current	80uA max @ 240Vac, max load
Inrush Current	<15A @ 120Vac, 25°C, cold start <25A @ 230Vac, 25°C, cold start

## Environmental Specifications :

Operating Temperature	0°C ~ +45°C
Storage Temperature	-40°C ~ +70°C, non-condensing
Operating Humidity	5% ~ 95% RH
Storage Humidity	5% ~ 95% RH, non-condensing
E-Cap Lifetime	>5yrs @ 80% load, 25°C ambient

## Safety and Compliance :

UL/cUL60950-1, IEC60950-1, CE, RCM & GEMS
EMC Emission: EN55022, EN61000-3-2
ESD : Air ±15KV, Contact: ±8KV E61000-4-2, Criteria A
Surge: ±2kV (L-L), EN61000-4-5, Criteria A
EFT: IEC61000-4-4, Criteria A
RF: EN55024, 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.
- Foldable design with easily changeable AC plugs fit over US prongs: EU, UK, China, Korea, Australia, Argentina, Brazil, India.



PHIHONG TECHNOLOGY CO., LTD.

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



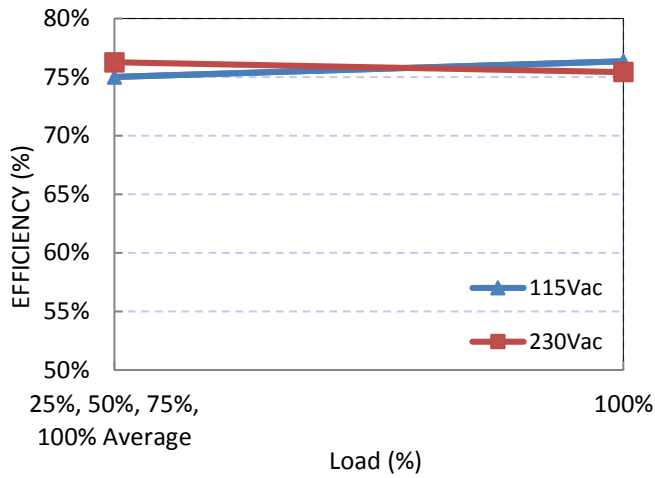
# 5W Foldable Pin USB Adapter

PSA05F-050QAL6-H / PSA05F-050QAL6D-H

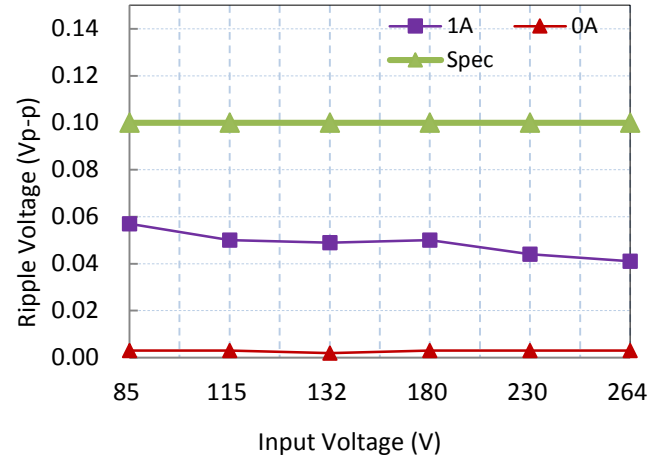
● 5V/1A ● DoE 6 & CoC V Tier 2 ● Foldable Pin ● USB ● Black



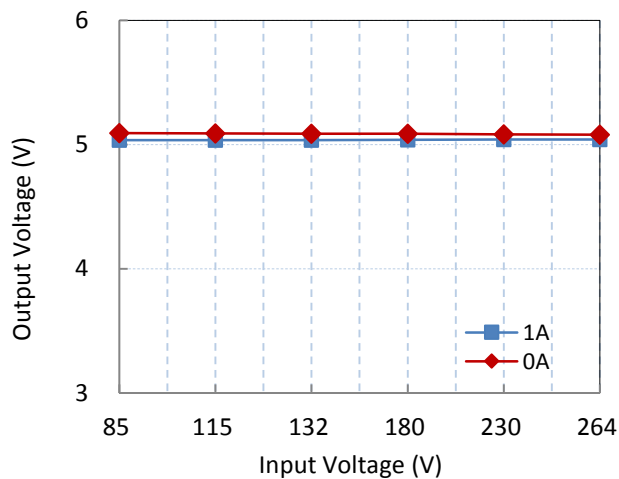
### Efficiency



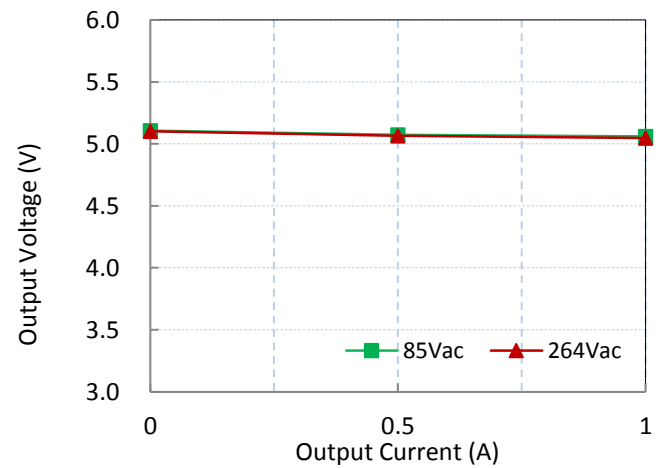
### Ripple Noise



### Line Regulation



### Load Regulation



PHIHONG TECHNOLOGY CO., LTD.

- +886-3-3277288  
- [www.phihong.com.tw](http://www.phihong.com.tw)  
- [phsales@phihong.com.tw](mailto:phsales@phihong.com.tw)



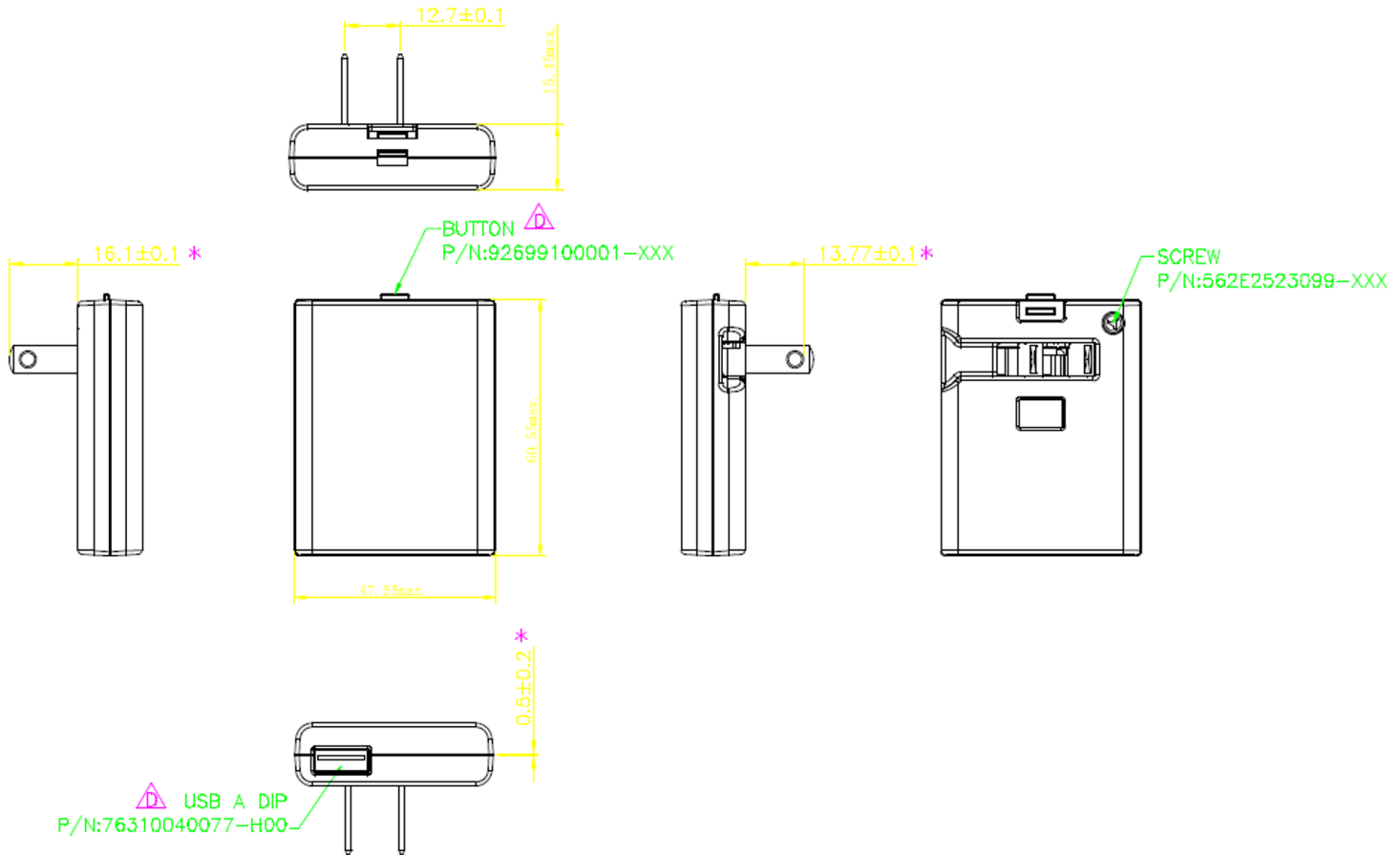
# 5W Foldable Pin USB Adapter

PSA05F-050QAL6-H / PSA05F-050QAL6D-H

●5V/1A ●DoE 6 & CoC V Tier 2 ●Foldable Pin ●USB ●Black



Dimensions: mm



Model Selections				
Model Number	Output Voltage (Vdc)	Output Current ( A ±5% )	Max. Output Power (W)	Output Ripple P-P (max)
PSA05F-050QAL6-H	5	1	5	100mV
PSA05F-050QAL6D-H	5	1	5	100mV

Note: PSA05F-050QAL6D-H boosts output by 290mV to compensate for wire drops over a USB cable

AC Clip Selections (fit over US prongs)								
	China	Europe	Korea	UK	Australia	Argentina	Brazil	India
Model Name	FPC	FPE	FPH	FPK	FPS	FPN	FPB	FPI

## 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@phihong.eu.com  
www.phihong-lighting.com



PHIHONG TECHNOLOGY CO., LTD.

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