



10W Foldable Pin USB Adapter

PSA10F-050Q-R / PSA10F-050Q(X)-R Series

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



The PSA10F, 5V/2A foldable pin USB adaptor series is the latest offering from a world leader in charging adapter technology and manufacturing - Phihong Technology. The PSA10F 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 1 energy efficiency requirements. We ensure our products meet or exceed all the industry performance and safety requirements.

Features :

Efficiency	DoE 6 & CoC V5 tier 1 (78.7% min)
Standby Power	<0.1W @ 230Vac/60Hz
Protection	SCP, OCP (2.5A), OVP (6.3V), OTP
Turn On Delay Time	<3s @ 120Vac, max load
Hold-up Time	>8ms @ 120Vac, max load
Rise Time	<100ms @ 120Vac, max load
Fall 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	38.5 (g)

Electrical Specifications :

Input Voltage	100~240Vac (90~264Vac min/max)
Frequency	50/60Hz Nom (47~63Hz min/max)
Input Current	0.3A (RMS) @ 120Vac max load
	0.15A (RMS) @ 240Vac max load
Output Voltage	5V
Output Current	2A
Maximum Output Power	10W continuous
Output Ripple & Noise	<100mV (pk-pk) @ 0A~1A load
	<200mV (pk-pk) @ 1A~2A load
Line/Load Regulation	±5%
Leakage Current	100uA max @ 240Vac, max load
Inrush Current	<60A @ 240Vac, 25°C cold start

Environmental Specifications :

Operating Temperature	0°C ~ +40°C
Storage Temperature	-40°C ~ +85°C, non-condensing
Operating Humidity	10% ~ 90% RH
Storage Humidity	10% ~ 90% RH, non-condensing

Safety and Compliance :

UL60950-1, IEC60950-1, CSA60950-1
FCC Class B, EN55022 Class B
ESD : EN61000-4-2, Level 3
Radiated: EN61000-4-3 Level 2
EFT: EN61000-4-4, Level 2
Surge: EN61000-4-5, Level 3
Conducted: EN61000-4-6 Level 2
Harmonic: EN61000-3-2 Class A
EN61000-4-8, EN61000-4-11, EN61000-3-3

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.



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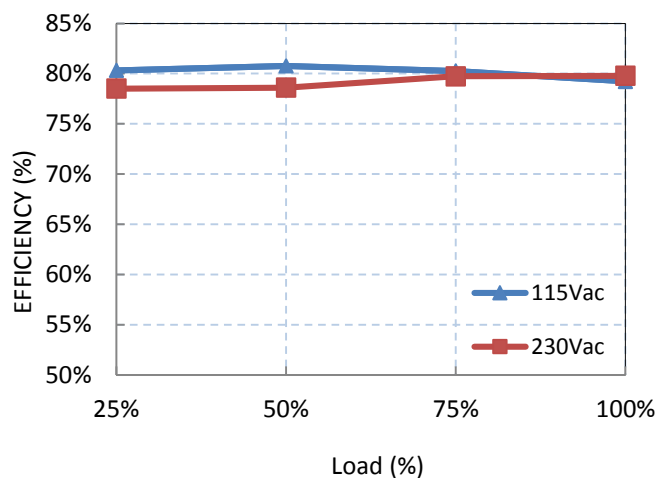
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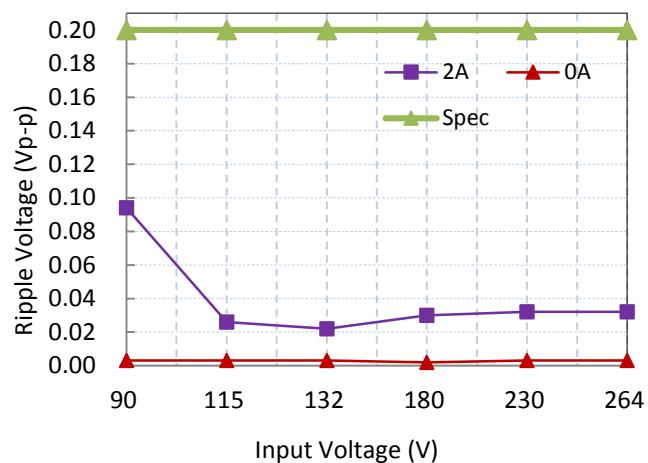
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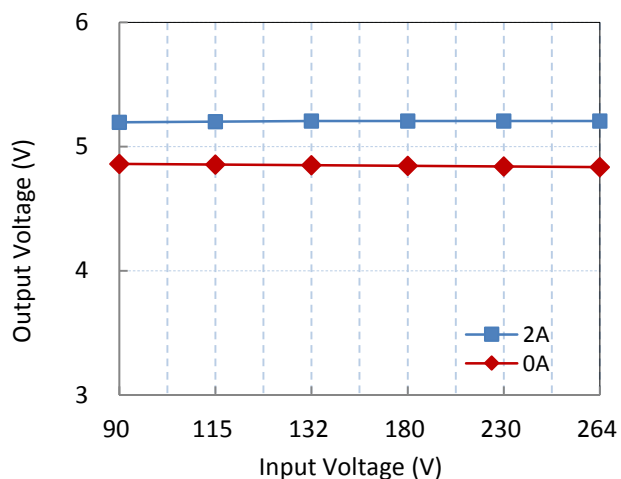
Efficiency



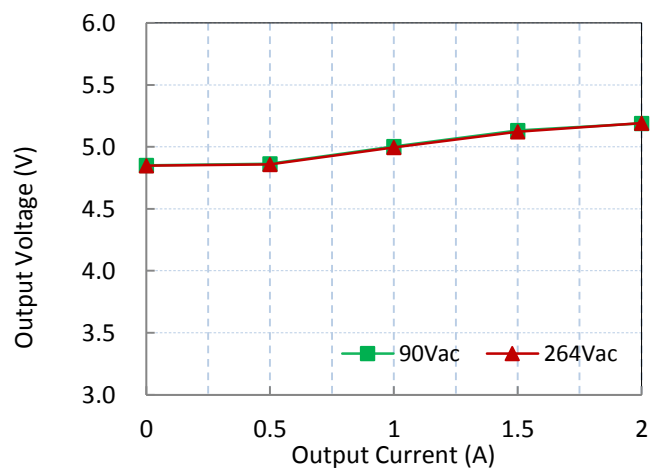
Ripple Noise



Line Regulation



Load Regulation



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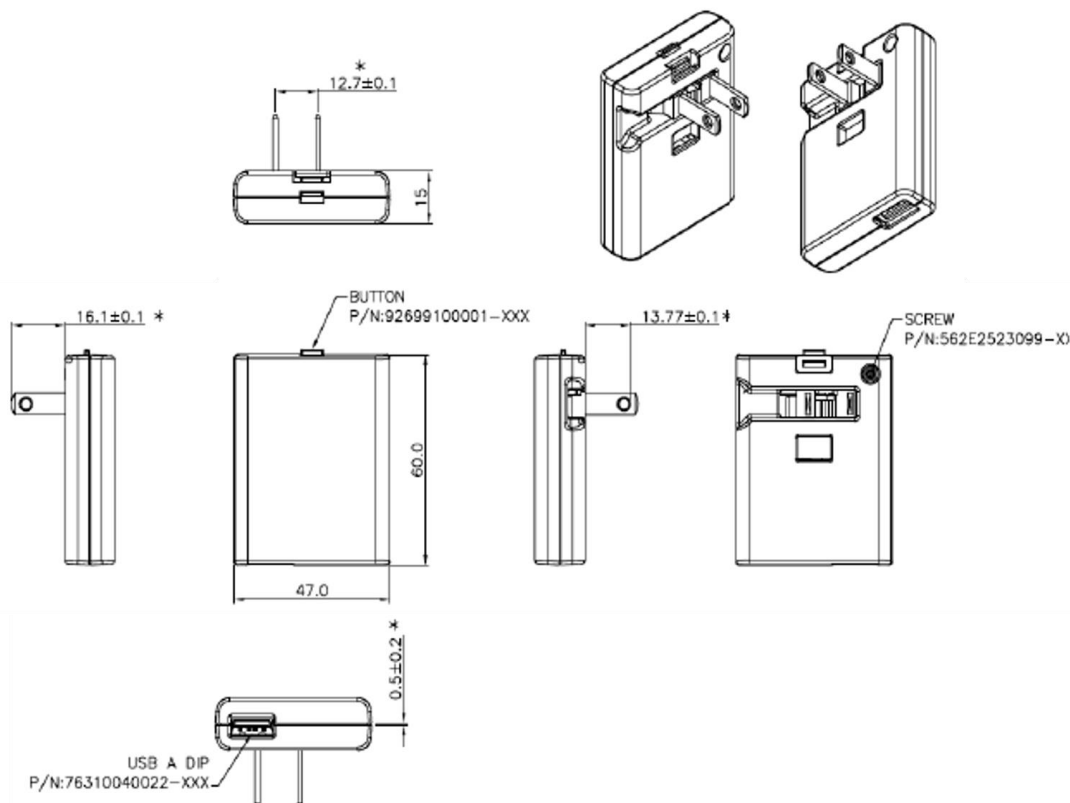
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Dimensions: mm



Model Number	Output Voltage (Vdc)	Output Current (A ±5%)	Max. Output Power (W)
PSA10F-050Q-R	5	2	10
PSA10F-050Q(D)-R	5	2	10
PSA10F-050Q(S)-R	5	2	10
PSA10FC-050Q-R	5	2	10

Note: (D) model boosts output by 400mV at full load to compensate for wire drops over a USB cable.

(S) model boosts output by 400mV at full load to compensate for wire drops over a USB cable and has termination resistors suitable for Apple products.

PSA10FC-050Q has CCC safety approval for China

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

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