



# 10W USB Type Interchangeable Clip Adapter

PSAF10R-050Q-R

● 5V/2A ● 10 types of AC clip ● DoE 6, CoC V5 Tier 2



Phihong R-Series power adapter with interchangeable clips is the best choice for users to travel lightly and easily. This 5V/2A R-type USB adapter has 10 types of clips, including UK, EU, USA, Brazil, China, Korea, India, Australia, Argentina, and two wire input to meet your travel needs. Featuring universal input from 90V to 264V, it has 5V voltage and 10W output power. To achieve energy saving goal, it meets DoE Level VI energy efficiency requirements and compliant with or approved by UL, CUL, CB, BSMI, PSE, CCC, FCC Class B, and EN55022 Class B.

## Features :

Efficiency	DoE Level VI and CoC V5 tier 2
No Load Input Power	≤75mW @ 230Vac
Protection	OVP, OCP, SCP, OTP
Isolation	3000Vac, Primary to secondary 10mA, 1 min
Insulation Resistance	Primary to secondary 10 M Ω min @500Vdc
OCP	3A max
SCP	Auto recovery and no component damage
OVP	8.0V
Average Efficiency	79% min
Efficiency @ 10% load	69.73% min
Dimension (mm)	47.5 x 22.4 x 37.8
Weight	40g
AC Plug	US, UK, EU, Australia, China, Korea, Argentina, Brazil, India & two wire input

## Electrical Specifications :

Input Voltage	100~240Vac (90~264Vac min/max)
Frequency	50/60Hz Nom (47~63Hz min/max)
Input Current	0.28A (RMS) max @ 115Vac; 0.16A (RMS) max @ 230Vac
Output Voltage	5V±5%
Output Current	2A
Maximum Output Power	10W
Output Ripple & Noise	150mVpk-pk
Earth Leakage Current	20uA max 264Vac, 50Hz
AC Inrush Current	60A @ 230Vac, 25°C
Rise Time	50mS max @ 115Vac, full load
Fall Time	50mS max @ 115Vac, full load
Hold-up Time	6.0mS min @ 115Vac, full load
Turn-On Delay Time	3S max @ 90Vac, full load

## Environmental Specifications :

Operating Temperature	0°C ~ +40°C
Storage Temperature	-20°C ~ +70°C
Humidity, Operation	90% RH
Humidity, Storage	90% RH
MTBF (MIL-HDBK-217F)	50,000 hours min. @ max load, 25°C

## Safety and Compliance :

Safety Requirement	UL60950-1/CUL/CB/BSMI/PSE/CCC
Immunity Requirement	
ESD test	EN 61000-4-2. Contact:±8kV, Air:±15kV
RS test	EN 61000-4-3. 3V/m
EFT test	EN 61000-4-4. 1kV
DIP test	EN 61000-4-11 Level 3
Surge test	EN 61000-4-5. Line to Line: 1kV Line or Neutral to PE: 2kV
EMI Requirement	FCC Class B EN55022 Class B



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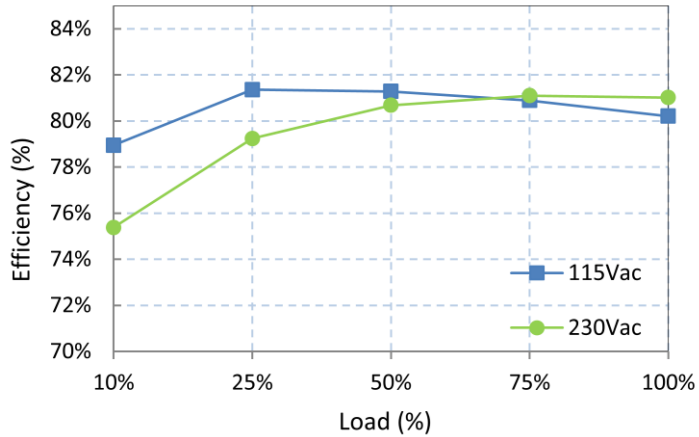
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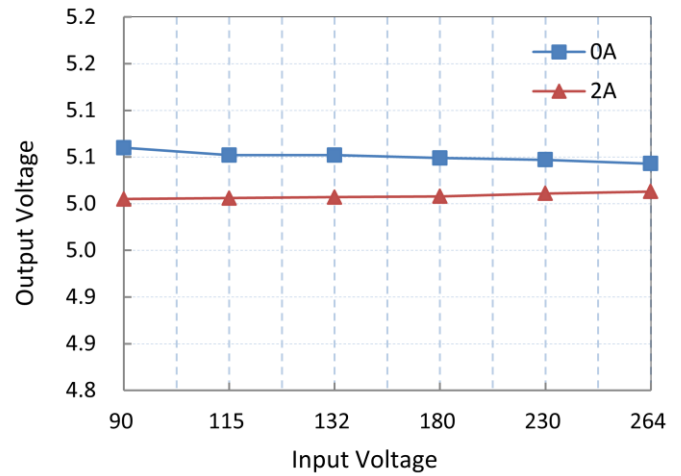
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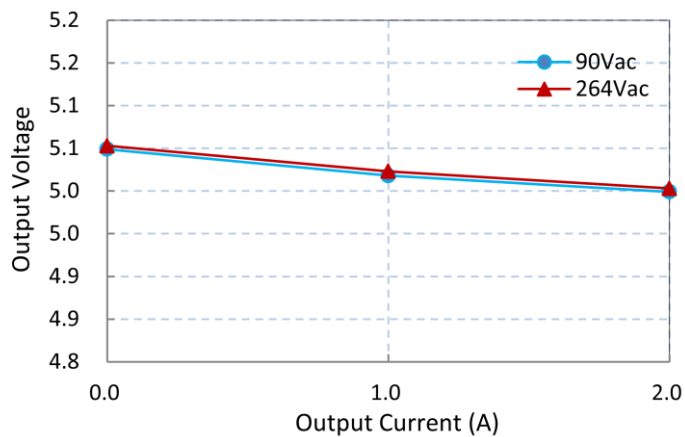
## Efficiency



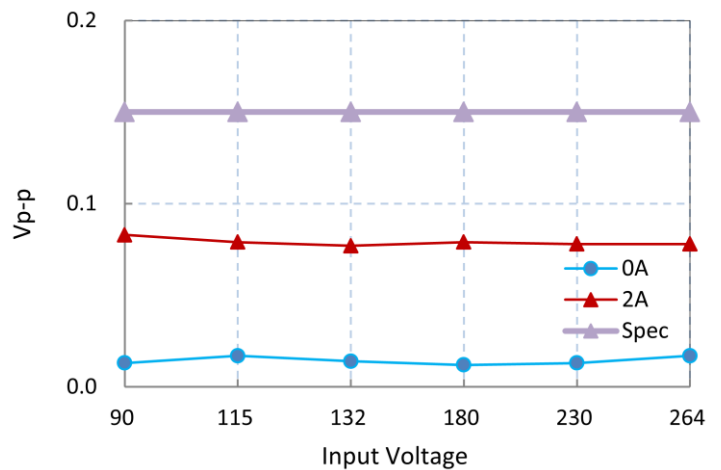
## Line Regulation



## Load Regulation



## Noise & Ripple



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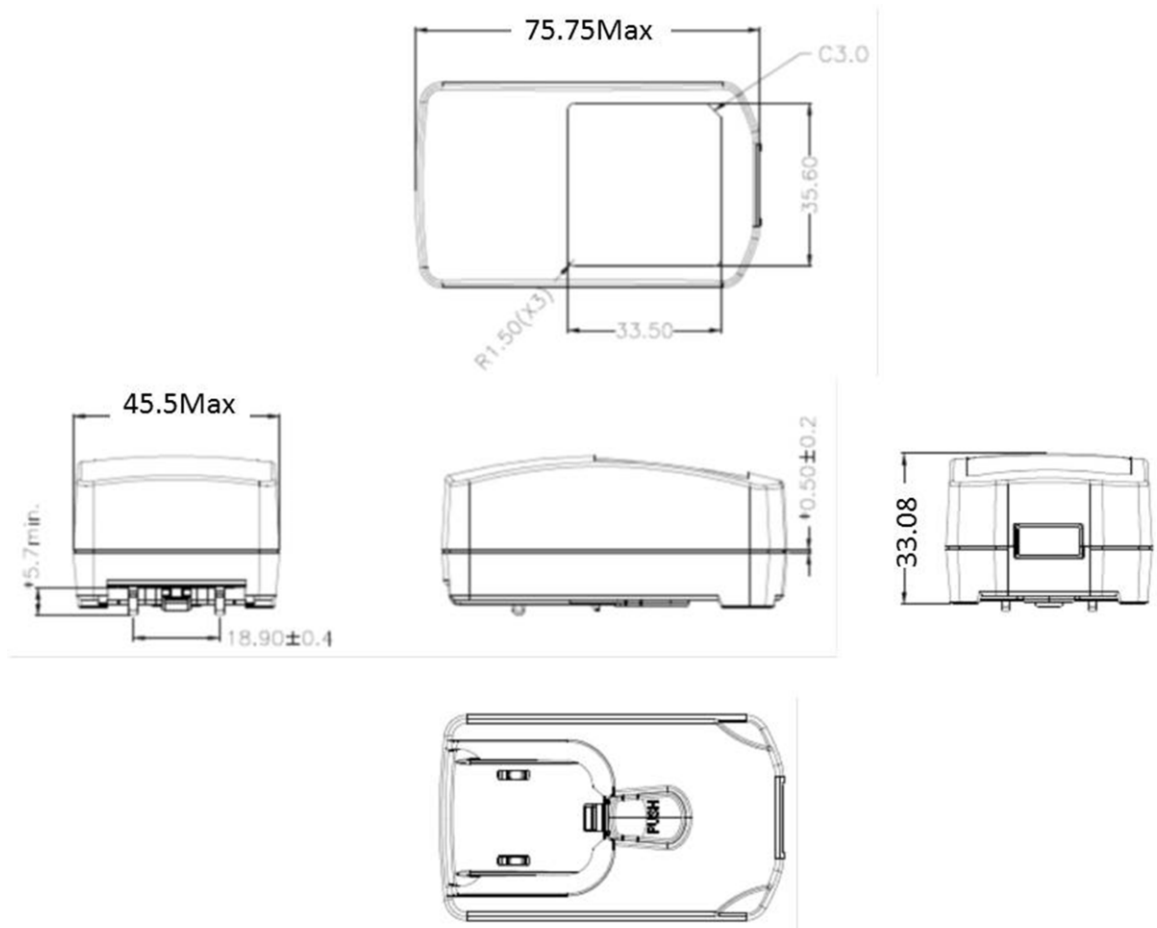
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**Dimensions:** mm



## Model Selections

Model Number	Plug Type	Case Color	Output Current (A ±5%)	Output Voltage (Vdc)	Max. Output Power (W)
PSAF10R-050Q-R	Interchangeable	Black	2	5	10

This model has US, UK, EU, Australia, China, Korea, Argentina, Brazil, India & two wire input AC clips.

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