



## 15 Watt Interchangeable Plug Series



### Features

Double Insulated  
Class B EMI

Level VI Efficiency Compliant  
Limited Power Source (LPS)

### Applications

Wireless Communications  
Network Equipment

Peripherals  
Gaming

### Safety Approvals

UL/cUL 60950-1  
UL/cUL 62368-1  
AS/NZ 60950-1

IEC60950-1  
IEC62368-1  
CE

### Mechanical Characteristics

Length: 71.7mm (2.82in)  
Width: 50mm (1.97in)

Height: 33.2mm (1.31in)  
Weight: 115g (4.06oz)

### Output Specifications

Model	DC Output Voltage	Load		Ripple <sup>1</sup> P-P (max.)
		Min.	Max.	
PSC15R-050-R	5V	0A	3.000A	100mV
PSC15R-060-R	5.9V	0A	2.500A	100mV
PSC15R-075-R	7.5V	0A	2.000A	100mV
PSC15R-090-R	9V	0A	1.67A	120mV
PSA15R-120P6-R	12V	0A	1.250A	100mV
PSA15R-150P6-R	15V	0A	1.000A	100mV
PSA15R-240P6-R	24V	0A	0.65A	200mV
PSA15R-480P6-R	48V	0A	0.313A	400mV

Notes:

1. Ripple measured by using a 12-inch twisted pair terminated with 10uF capacitor and 0.1uF ceramic in parallel with oscilloscope set to 20Mhz measured after a warm-up of 10minutes.

Phihong is not responsible for any error, and reserves the right to make changes without notice.

## PSX15R Characteristics<sup>1</sup>

### INPUT:

#### Input Voltage Rating

100 to 240VAC

#### AC Input Voltage Range

90 to 264VAC

#### AC Input Current

0.5A (RMS), 120VAC at maximum load  
0.25A (RMS), 240VAC at maximum load

#### AC Input Frequency

47 to 63Hz

#### In-rush Current

<40A for 120VAC at maximum load  
<60A for 240VAC at maximum load  
(cold start at ambient 25°C)

#### Leakage Current

0.25mA maximum

#### Input Power Saving

100mW max @ 230V

### OUTPUT

#### Output Power

15W

#### Efficiency<sup>2</sup>

US DoE Level VI; EU CoC Ver5 Tier1  
ErP 2009/125/EC (EU 2019/1782)

#### Hold up time

8mS minimum at maximum load, 120VAC

### ENVIRONMENTAL:

#### Temperature

Operation	0°C to +40°C
Non-operation	-40°C to +85°C
Humidity	20 to 90%

#### EMI

Complies with FCC class B  
Complies with EN55032 Class B

### Immunity

EN61000-4-2  
EN61000-4-3  
EN61000-4-4  
EN61000-4-5 Level 3  
EN61000-4-6  
EN61000-4-11

### Isolation (HI-POT test)

Input to Output: 3000VAC for 1 minute, 10mA

### Insulation Resistance

Input to Output: 500VDC 500M Ohm minimum

### FEATURES:

#### Over Current Protection

>2A Short Circuit Auto-restart

#### Short Circuit Protection

Output can be shorted without damage

#### Over Voltage Protection

<13V

#### Dielectric Withstand (Hi-pot) Test

Pri. to Sec.: 3000V AC for 1 min., 10mA

#### DC Cord

1500mm (18~24AWG)

#### DC Output Connector (Tuning Fork Type)

5.5mm x 2.1mm x 10mm Center Positive

#### Interchangeable AC Clips

(Sold Separately)

RPA – US  
RPB – Brazil  
RPC – China  
RPE – Europe  
RPH – Korea  
RPI – India  
RPK – UK  
RPN – Argentina  
RPS – Australia  
RPX – IEC320 C8

#### Notes:

1. The characteristics defined are at ambient temperature of 25°C unless otherwise specified
2. Efficiency is measured after 30 minutes burn-in

**PSX15R** Dimension Diagram Unit: mm

