



## 12 Watt Fixed Wall Plug Series



### Features

- Limited Power Source (LPS)
- Class B EMI
- Level VI Compliant
- Class II Double Insulated
- High Efficiency
- Low Cost

### Applications

- Wireless Communications
- Peripherals
- Portable Equipment
- PDA

### Safety Approvals

- UL/cUL 60950-1
- UL/cUL 62368-1

### Mechanical Characteristics

- Length: 71.5mm (2.82in)
- Width: 50mm (1.97in)
- Height: 31.2mm (1.23in)
- Weight: 124g (4.37oz)

### Output Specifications

| Model         | DC Output Voltage | Load |       | Ripple <sup>(1)</sup><br>P-P (max.) | Regulation<br>Line & Load |
|---------------|-------------------|------|-------|-------------------------------------|---------------------------|
|               |                   | Min. | Max.  |                                     |                           |
| PSAC12A-050-R | 5V                | 0A   | 2.4A  | 100mV                               | ±5%                       |
| PSAC12A-060-R | 5.9V              | 0A   | 2.0A  | 100mV                               | ±5%                       |
| PSAC12A-075-R | 7.5V              | 0A   | 1.6A  | 100mV                               | ±5%                       |
| PSAC12A-090-R | 9V                | 0A   | 1.33A | 120mV                               | ±5%                       |
| PSAC12A-120-R | 12V               | 0A   | 1.0A  | 120mV                               | ±5%                       |
| PSAC12A-150-R | 15V               | 0A   | 0.8A  | 150mV                               | ±5%                       |
| PSAC12A-240-R | 24V               | 0A   | 0.5A  | 240mV                               | ±5%                       |
| PSAC12A-480-R | 48V               | 0A   | 0.25A | 400mV                               | ±5%                       |

Notes:

1. Measured after 30 minutes with by-pass capacitors 0.1uF/10uF at output connector terminal and oscilloscope set at 20Mhz.

**Input:****AC Input Voltage Rating**

100 to 240V AC

**AC Input Voltage Range**

90 to 264V AC

**AC Input Frequency**

47 to 63Hz

**Input Current**

0.5A (RMS) maximum at 120V AC

0.25A (RMS) maximum at 230V AC

**Leakage Current**

0.25mA maximum at all line conditions

**Inrush Current**

&lt;30A for 120V AC at maximum load

&lt;60A for 230V AC at maximum load

(Cold start at ambient 25°C)

**Input Power Saving**

0.1W maximum at no load

**Output:****Efficiency<sup>2</sup>**

US DOE Level VI

**Environmental:****Temperature**

Operation 0 to +40°C

Non-operation -40 to +85°C

Humidity 50 to 90%

**Emissions**

Complies with FCC Class B

Complies with EN55032 Class B

**Immunity**

IEC610004-2

IEC610004-3

IEC610004-4

IEC610004-5

IEC610004-6

IEC61000-4-8

IEC61000-4-11

EN61000-3-2

**Hold-up Time**

8mS minimum at 120V AC and maximum load

**Over-Voltage Protection**

&lt;150%

**Over-Current Protection**

Output equipped with short circuit protection – auto-restart

**Short-Circuit Protection**

Output can be shorted without damage

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

Primary to Secondary: 3000V AC for 1 min.,

10mA

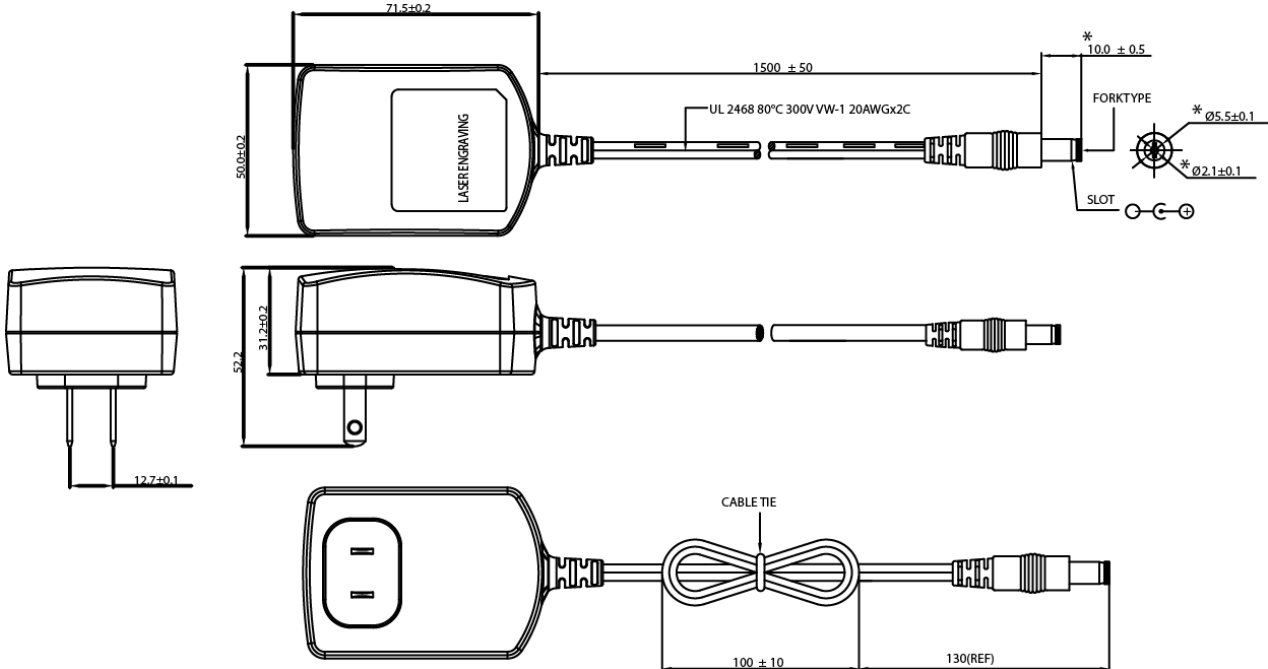
**DC Output Connector**

2.1 x 5.5mm Center Positive Barrel

## Notes:

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

**Dimension Diagram Unit: mm**



**Supplier's Declaration of Conformity**  
**47 CFR § 2.1077 Compliance Information**

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NOTE: This model has/The models in this product series have been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications to equipment not expressly approved by PHIHONG could void the user's authority to operate the equipment.

## Данный компонент на территории Российской Федерации

**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

### Офис по работе с юридическими лицами:

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