



## 30W Interchangeable Plug Series PSAA30R Adapter Series Meets Level V Efficiency Requirements



### Features

- Limited Power Source
- Level V Efficiency Compliance
- Class II Double Insulated
- Class B EMI

### Applications

- Peripherals
- Gaming Machines
- Point of Sale Equipment
- Network Equipment

### Safety Approvals

- cUL/UL
- SAA
- CE
- C-Tick

### Mechanical Characteristics

- Length: 82.7mm (3.26in)
- Width: 55mm (2.17in)
- Height: 39.1mm (1.54in)
- Weight: 150g (5.29oz)

### Output Specifications

| Model       | DC Output Voltage | Load |       | Ripple P-P (max.) | Regulation |      | Efficiency Level |
|-------------|-------------------|------|-------|-------------------|------------|------|------------------|
|             |                   | Min. | Max.  |                   | Line       | Load |                  |
| PSAA30R-050 | 5V                | 0A   | 4.00A | 70mV              | ±5%        |      | V                |
| PSAA30R-120 | 12V               | 0A   | 2.50A | 120mV             | ±5%        |      | V                |
| PSAA30R-150 | 15V               | 0A   | 2.00A | 200mV             | ±5%        |      | V                |
| PSAA30R-240 | 24V               | 0A   | 1.25A | 240mV             | ±5%        |      | V                |
| PSAA30R-560 | 56V               | 0A   | 0.54A | 560mV             | ±5%        |      | V                |

(1) Measured with by-pass capacitors 0.1uF/10uF at output connector terminal and oscilloscope set at 20MHz.

(2) At no load to full load, 1.5 meter (approx 5ft) DC cord, measured at the plug

-- Interchangeable clips sold separately

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**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**

0.8A (RMS) maximum at 120V AC

0.5A (RMS) maximum at 240V AC

**Leakage Current**

0.25mA maximum

**Inrush Current**

<60A for 100V AC at maximum load

<100A for 240V AC at maximum load

(Cold start at ambient 25°C)

**Input Power Saving**

0.3W maximum at no load

**Output:**
**Efficiency**

Meets Level V efficiency requirements

**Environmental:**
**Temperature**

Operation 0 to +40°C

Non-operation -25 to +75°C

Humidity 20 to 90%

**Emissions**

FCC Class B

EN55022 Class B

**Immunity**

IEC61000-4-2 Level 4

IEC61000-4-3 Level 2

IEC61000-4-4 Level 2

IEC61000-4-5 Level 2

IEC61000-4-6 Level 2

IEC61000-4-8 Level 1

IEC61000-4-11

EN61000-3-2

**Over-Voltage Protection**

Auto restart

**Over-Current Protection**

Auto-restart without damage

**Short-Circuit Protection**

Output can be shorted without damage

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

Input to Output: 3000V AC for 1 min., 10mA

**Insulation Resistance**

Input to output: 7M ohm, 500V DC

**DC Output Connector (Barrel Type)**

2.1 x 5.5 x 9.5mm Center Positive Standard

**AC Input Clips (sold separately)**

RPA: US

RPB: Brazil

RPC: China

RPE: Europe

RPH: Korea

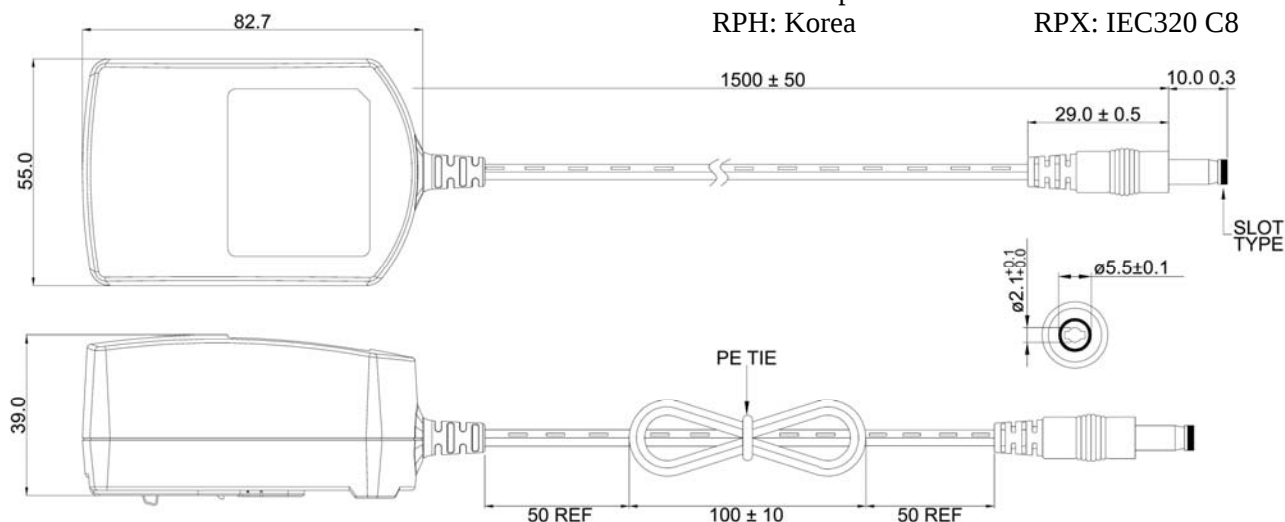
RPI: India

RPK: UK

RPN: Argentina

RPS: Australia

RPX: IEC320 C8

**Dimension Diagram Unit: mm (inch)**


# Mouser Electronics

Authorized Distributor

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