



5W Interchangeable Plug Series PSA05R Adapter Meets CEC and EISA Requirements



Features

- Double Insulated
- Field Changeable AC Plugs
- Efficiency Level IV Compliance
- Low Leakage Current
- Low Cost
- Class B EMI

Applications

- MP3 Players
- PDAs
- Personal Electronics
- Digital Cameras

Safety Approvals

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

Mechanical Characteristics

- Length: 71.7mm (2.82in)
- Width: 45mm (1.77in)
- Height: 31mm(1.22in)
- Weight: 120g (4oz)

Output Specifications

Model ⁽¹⁾	DC Output Voltage	Load		Ripple ⁽²⁾ P-P (max.)	Regulation		Efficiency Level
		Min.	Max.		Line	Load	
PSA05R-033-R	3.3V	0A	1.2A	50mV	±1%	±5%	IV _{115V AC} III
PSA05R-050-R	5V	0A	1.0A	50mV	±1%	±5%	IV
PSA05R-090-R	9V	0A	0.56A	90mV	±1%	±5%	V
PSA05R-120-R	12V	0A	0.42A	120mV	±1%	±5%	IV

Notes: (1) Minimum order quantities of 1600 pieces apply to the 3.3V, 5V and 12V models. These units may no longer be shipped to the European Union for commercial or consumer purposes.

(2) Measured after 10 minutes with by-pass capacitors 0.1uF // 10uF at output connector terminal.

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
0.25A (RMS) maximum at 120V AC
0.125A (RMS) maximum at 240V AC

Leakage Current
<0.25mA maximum at 254V AC

Inrush Current
30A for 120V AC at maximum load
60A for 240V AC at maximum load
(Cold start at ambient 25°C)

Input Power Saving
0.3W maximum for 9V model
0.5W maximum for 3.3V, 5V and 12V models

Output:

Efficiency
≥72.3% average efficiency for 9V model
≥64.5% average efficiency for 5V and 12V models
≥62.4% average efficiency at 115V AC, ≥61.4% average efficiency at 230V AC for 3.3V model

Environmental:

Temperature
Operation 0 to +40°C
Non-operation -25 to +85°C
Humidity 10 to 90%

EMI

FCC Class B
EN55022 Class B

Immunity

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

Harmonic EN61000-3-2
Flicker EN61000-3-3

Hold-up Time

10mS minimum at 120V AC and maximum load

Over-Voltage Protection

< 120%, Zener Clamp

Short-Circuit Protection

>120% auto restart

MTBF

150K hours minimum at full load and 110V AC, 60Hz (measured at ambient 25°C)

Dielectric Withstand (Hi-pot) Test

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

DC Output Connector

2.1 x 5.5 x 9.5mm Center Positive Barrel Standard

AC Input Clips (Sold Separately)

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

Dimension Diagram Unit: mm (inch)

