



## 5 Watt USB Adapter with Interchangeable Plugs PSAI05R Series Meets EISA and ENERGY STAR Requirements



### Features

- USB Socket
- Field Changeable AC Plugs
- ENERGY STAR EPS 2.0 Compliant
- Low Leakage Current
- No Load Power Consumption

### Applications

- Wireless Communications
- Peripherals
- Portable Equipment
- Networking

### Safety Approvals

- CE
- C-Tick
- IRAM - TUV
- SAA
- CCC
- FCC
- Korea
- cUL/UL

### Mechanical Characteristics

- Length: 75.3mm (2.96in)
- Width: 45mm (1.77in)
- Height: 32.3mm (1.27in)
- Weight: 60g (2oz)

### Output Specifications

Model	DC Output Voltage	Load		Ripple P-P (max.)	Efficiency Level
		Min.	Max.		
PSAI05R-050QCH-R*	5V	0A	1A	200mV	ⓧ

Note (\*) – Non-stock OEM Model only

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

100-240V AC

**AC Input Voltage Range**

90-264V AC

**AC Input Frequency**

47-63Hz

**Input Current**

0.3A (RMS) max at 115V AC and max load

0.15A (RMS) max at 230V AC and max load

**Leakage Current**

20uA max at 240V AC, 50Hz

**Inrush Current**

45A at 240V AC at ambient 25°C

**Input Power Saving**

&lt;0.3W at 240V AC

**Output:****Efficiency**

Meets Energy Star EPS 2.0 Level V efficiency

68% minimum efficiency

**Environmental:****Temperature**

Operation 0 to 50°C

Non-operation -40 to 85°C

Operating Humidity 5 to 90%

**EMI**

FCC Class B

EN55022 Class B

**Immunity**

EN610004-2 Level 4

EN61000405 Level 5

**Over-Voltage Protection**

140% Maximum

**Short-Circuit Protection**

Output can be shorted permanently without damage

**Over Current Protection**

Not to exceed 5A

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

Primary to Secondary: 3000V AC for 1 minute, 10mA

**Insulation Resistance**

Primary to Secondary: &gt;7M ohm 500V DC

**MTBF**

50K Hours min at full load an ambient 25°C

**RPS Clips**

RPA – United States

RPB – Brazil

RPC – China

RPE – Europe

RPH – Korea

RPK – United Kingdom

RPI – India

RPN – Argentina

RPS – Australia

**USB**

USB A

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