



## 5W USB Adapter with Interchangeable Plugs



### Features

- USB Socket
- Field Changeable AC Plugs
- Ecodesign ErP Directive 2009/125/EC level 2 annex 1b Compliant
- Low Leakage Current
- UL 94 V0 Flammability
- DOE Level VI Compliance

### Applications

- Wireless Communications
- Peripherals
- Portable Equipment
- Networking

### Safety Approvals

- cUL/UL
- RCM<sup>2</sup>
- CE
- CB

### Mechanical Characteristics

- Length: 76.1mm (2.99in)
- Width: 35.6mm (1.4in)
- Height: 30.8mm (1.21in)

### Output Specifications

Model	DC Output Voltage	Load		Ripple <sup>(1)</sup> P-P (max.)	Regulation Line & Load
		Min.	Max.		
PSAI05R-050QL6	5V	0A	1A	200mV	±5%

(1) Measured by using a 12-inch twisted pair terminal with a 10uF EC capacitor and a 0.1uF ceramic in parallel, measured at max load.

(2) Registration by the country local representative may be required

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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**

0.3A (RMS) max for 115Vac/max load

0.15A (RMS) max for 230Vac/max load

**Leakage Current**

0.02mA max for 240V AC, 50Hz

**Inrush Current**

45A max at 240V AC

(Cold start at ambient 25°C)

**OUTPUT:****Output Power**

5W

**Efficiency**

DOE Level VI and CoC V5 tier 2

**ENVIRONMENTAL:****Temperature**

Operation 0 to +50°C

Non-operation -40 to +85°C

Relative Humidity 90% RH Max

**Emissions**

FCC Class B

EN55022 Class B

AS / NZS 3548

**Immunity**

ESD: EN50082-1: EN 61000-4-2, Level 4

Air discharge  $\pm 15\text{KV}$ Contact  $\pm 8\text{KV}$ 

Surge: EN 61000-4-5, Level 2 1KV

RS : EN61000-4-3, Criteria A

CS : EN61000-4-6, Criteria A

Voltage Dips : EN61000-4-11, Criteria A

**Over-Voltage Protection**

7.2V DC maximum

**Over-Current Protection**

5A maximum

**Short-Circuit Protection**

The output can be shorted permanently without damage whenever it operates within input voltage range and temperature range specified in this specification. Output current not exceed 950mA(RMS).

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

Pri. to Sec. 3000VAC 10mA for 1 Minute

**DC Output Connector**

USB Type A

**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

