



5W USB Adapter with Interchangeable Plugs PSAI05R-050QL6 Series Meets Level VI



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
- RCM²
- CE
- CB

Mechanical Characteristics

- Length: 75.3mm (2.96in)
- Width: 35.6mm (1.4in)
- Height: 32.1mm (1.26in)

Output Specifications

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

(1) Measured by using a 12-inch twisted pair terminal with a 10uF EC capacitor and a 0.1uF ceramic in parallel, measured at maximum 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) maximum for 115Vac/max load

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

Leakage Current

0.02mA maximum for 240V AC, 50Hz

Inrush Current

45A maximum at 240V AC

(Cold start at ambient 25°C)

Output:

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 ± 15KV

Contact ± 8KV

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

RPI: India

RPB: Brazil

RPK: UK

RPC: China

RPN: Argentina

RPE: Europe

RPS: Australia

RPH: Korea

Dimension Diagram Unit: mm (inch)

