



5W USB Adapter with Interchangeable Plugs PSB05R Series Meets Energy Star and Ecodesign Requirements



Features

- USB Socket
- Field Changeable AC Plugs
- CEC Level V Compliance
- Ecodesign ErP Directive 2009/125/EC level 2 annex 1b Compliant
- Low Leakage Current
- UL 94 Vo Flammability
- No Load Power Consumption < 0.3 Watt
- ENERGY STAR EPS 2.0 Compliant

Applications

- Wireless Communications
- Peripherals
- Portable Equipment
- Networking

Safety Approvals

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

Mechanical Characteristics

- Length: 75.32mm (2.97in)
- Width: 45.96mm (in)
- Height: 31.67 (1.25in)
- Weight: 61.1g (2.16oz)

Output Specifications

Model	DC Output Voltage	Load		Ripple ⁽¹⁾ P-P (max.)	Regulation Line & Load	Efficiency Level
		Min.	Max.			
PSB05R-050Q(A)-R	5V	0A	1A	55mV	±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 maximum load.

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

.015A (RMS) maximum for 115V AC

0.08A (RMS) maximum for 230V AC

Leakage Current

0.02mA maximum for 240V AC, 50Hz

Inrush Current

40A maximum at 240V AC

(Cold start at ambient 25°C)

Input Power Saving

< 0.3Watts at no load

Output:

Efficiency

68% minimum at 120V AC, 60Hz and maximum load

Over-Voltage Protection

8V DC maximum

Over-Current Protection

5A maximum

Short-Circuit Protection

Output can be shorted permanently without damage

Environmental:

Temperature

Operation 0 to +45°C

Non-operation -20 to +75°C

Relative Humidity 20 to 90%

Emissions

FCC Part 15 Class B

EN55022 Class B

Dielectric Withstand (Hi-pot) Test

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

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)

