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5W USB Adapter with Interchangeable Plugs **PSB05R Series**







Features

- **USB Socket**
- Field Changeable AC Plugs
- **CEC Compliance**

- Low Leakage Current
- UL 94 Vo Flammability
- No Load Power Consumption < 0.3 Watt

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 (1.81in)

Height: 31.67mm (1.25in) Weight: 61.1g (2.16oz)

Output Specifications

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

Note: (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.

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INPUT:

AC Input Voltage Rating

100 to 240VAC

AC Input Voltage Range

90 to 264VAC

AC Input Current

200mA(RMS) max. @ 115VAC 80mA(RMS) max. @ 230VAC

Leakage Current

20uA max. @ 254VAC, 50Hz

Inrush Current (cold)

<40A for 240VAC at max. load (Cold start @ ambient 25°C)

Input Power Saving

0.3W max. for 240VAC at no load

OUTPUT:

Efficiency

> 64% average efficiency

Hold-up Time

10mS min. @ 120VAC and Max. load

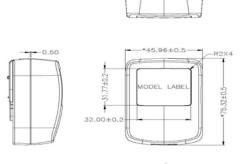
Over-current Protection

0.75A max.

Over-voltage Protection

8VDC max.

Dimension Diagram Unit: mm (inch)



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Short Circuit Protection

Output can be shorted without damage

Adapter Detection:

Each data line (Data+ and Data-) is tied to +VDC via a 7.5K Ohm resistor and to DC RTN via a 15K Ohm resistor

ENVIRONMENTAL:

Temperature

Operation 0 to +45°C Non-operation -20 to +75°C

Humidity

Operation 20 to 90%

Emissions

FCC Part 15 Class B CISPR 22 Class B

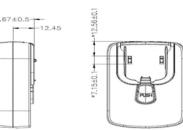
Dielectric Withstand (Hi-pot) Test

Primary to Secondary: 3000VAC

AC Input Clips (sold separately)

US: RPA Europe: RPE UK: RPK Australia: RPS





Pin NO.	Output
1	+5 V _{bc}
2	+3 V _{DC}
3	+3 V _{DC}
4	DC RTN