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[PSA15R-150P6](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

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15 Watt Interchangeable Plug Series PSA15R Wall Plug Adapter Meets Level VI Requirements



*clips sold separately



Features

- Limited Power Source
- Class B EMI
- Class II Double Insulated
- High Efficiency

Applications

- Wireless Communications
- Peripherals
- Portable Equipment
- PDA

Safety Approvals

- cUL/UL 60950-1
- CE
- CB

Mechanical Characteristics

- Length: 71.7mm (2.82in)
- Width: 50mm (1.91in)
- Height: 33.2mm (1.31in)
- Weight: 145g (5.12oz)

Output Specifications

Model	DC Output Voltage	Load		Ripple ⁽¹⁾ P-P (max.)	Regulation Line & Load	Efficiency Level
		Min.	Max.			
PSA15R-120P6	12V	0A	1.25A	100mV	±5%	VI
PSA15R-150P6	15V	0A	1.0A	100mV	±5%	VI
PSA15R-240P6	24V	0A	0.625A	200mV	±5%	VI
PSA15R-480P6	48V	0A	0.31A	400mV	±5%	VI

(1) Measured after 30 minutes with by-pass capacitors 0.1uF/10uF at output connector terminal and oscilloscope set at 20MHz.

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PSA15R Characteristics

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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

0.5A (RMS) maximum at 120V AC

0.25A (RMS) maximum at 230V AC

Leakage Current

0.25mA maximum at all line conditions

Inrush Current

<30A for 120V AC at maximum load

<60A for 240V AC at maximum load

(cold start at ambient 25°C)

Output:

Efficiency

DOE Level VI

Hold-up Time

8mS minimum at 120V AC and maximum load

Environmental:

Temperature

Operation 0 to +40°C

Non-operation -40 to +85°C

Humidity 90%RH max

Emissions

EN55022 Class B

FCC Part 15 Class B

EMC

EN 61000-3-2

IEC61000-4-2

IEC61000-4-4

IEC61000-4-5

IEC61000-4-11

EN55024

Over-Voltage Protection

Output should be <20Vdc for 12V; <22Vdc for 15V;

<35Vdc for 24V; <65Vdc for 48V

Over-Current Protection

Output equipped with short circuit protection – auto restart above 1.35A for 12V; >1.2A for 15V; >0.7A for 24V; >0.4A for 48V

Short-Circuit Protection

Output can be shorted without damage

Dielectric Withstand (Hi-pot) Test

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

DC Output Connector

2.1 x 5.5mm Center Positive Barrel

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

Dimension Diagram Unit: mm (inch)

