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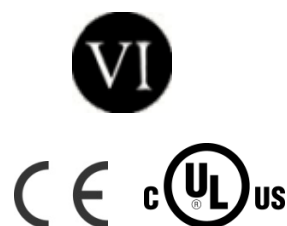
For any questions, you can email us directly:

sales@integrated-circuit.com

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15W Wall Plug Series PSC15A Adapter Series Meets Level VI Efficiency



Features

- Double Insulated
- Efficiency Level VI Compliance
- Class B EMI
- Over Voltage Protection
- Over Current Protection
- Short Circuit Protection

Applications

- Wireless Communications
- Networking
- Portable Equipment
- Peripherals

Safety Approvals

- cUL/UL 60950-1
- CB 60950-1
- CE

Mechanical Characteristics

- Length: 71.5mm (2.81in)
- Width: 31.2 (1.23in)
- Height: 50mm (1.97in)
- Weight: 120g (4.23oz)

Output Specifications

Model	DC Output Voltage	Load		Ripple ⁽¹⁾ P-P (max.)	Regulation Line & Load	Efficiency Level
		Min.	Max.			
PSC15A-050	5V	0A	3.0A	100mV	±5%	VI
PSC15A-060	6V ²	0A	2.5A	100mV	±5%	VI
PSC15A-075	7.5V	0A	2A	100mV	±5%	VI
PSC15A-090	9V	0A	1.67A	120mV	±5%	VI

(1) Measured with an oscilloscope with 20MHz (or over) bandwidth. Outputs should be bypassed at a connector with a 0.1uF ceramic capacitor and a 10uF electrolytic capacitor.

(2) Product is labeled 5.9V for DOE requirement

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PSC15A Characteristics

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Input:

AC Input Voltage Rating

100 to 240VAC

AC Input Voltage Range

90 to 264VAC

AC Input Frequency

47 to 63Hz

Input Current

500mA (RMS) maximum at 120VAC

250mA (RMS) maximum at 240VAC

Leakage Current

0.25mA maximum at all line conditions

Inrush Current (Cold Start at ambient 25°C)

40A for 120VAC and maximum load

60A for 230VAC at maximum load

Output:

Efficiency

DOE Level VI

Hold-up Time

8mS minimum at 120VAC and maximum load

Over-Voltage Protection

Output voltage should be <7.5Vdc for 5V; <8Vdc for 5.9V; <10Vdc for 7.5V; <13Vdc for 9V

Over-Current Protection

The power supply shall enter self-protection mode to auto-restart above 3.6A for 5V; >3.2A for 5.9V; >2.5A for 7.5V; >2A for 9V

Short-Circuit Protection

The output can be shorted permanently without damage

Environmental:

Temperature

Operation

0 to +40°C

Non-operation

-40 to +85°C

Humidity

0-90% non-condensing

Emissions

EN55022

EN61000-3-2

Immunity

EN55024

EN61000-4-2

EN61000-4-4

EN61000-4-5

EN61000-4-11

Dielectric Withstand (Hi-pot) Test

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

DC Output Connector

Straight barrel connector 5.5mm x 2.1mm x 10mm

Dimension Diagram Unit: mm (inch) PSC15A

