



12 Watt Fixed Wall Plug Series Adapter Meets Level VI Requirements



Features

- Limited Power Source (LPS)
- Class B EMI
- Level VI Compliant
- Class II Double Insulated
- High Efficiency
- Low Cost

Applications

- Wireless Communications
- Portable Equipment
- Peripherals
- PDA

Safety Approvals

- cUL/UL
- CB

Mechanical Characteristics

- Length: 71.7mm (2.82in)
- Height: 33.2mm (1.31in)
- Width: 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.			
PSAC12A-050	5V	0A	2.4A	100mV	±5%	VI
PSAC12A-060	5.9V	0A	2.0A	100mV	±5%	VI
PSAC12A-075	7.5V	0A	1.6A	100mV	±5%	VI
PSAC12A-090	9V	0A	1.33A	120mV	±5%	VI
PSAC12A-120	12V	0A	1.0A	120mV	±5%	VI
PSAC12A-150	15V	0A	0.8A	150mV	±5%	VI
PSAC12A-240	24V	0A	0.5A	240mV	±5%	VI
PSAC12A-480	48V	0A	0.25A	480mV	±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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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 230V AC at maximum load

(Cold start at ambient 25°C)

Input Power Saving

0.1W maximum at no load

Output:
Efficiency

US DOE Level VI

Environmental:
Temperature

Operation

0 to +40°C

Non-operation

-40 to +85°C

Humidity

20 to 90%

Emissions

FCC Class B

EN55022 Class B

Immunity

IEC61000-4-2

IEC61000-4-3

IEC61000-4-4

IEC61000-4-5

IEC61000-4-6

IEC61000-4-8

IEC61000-4-11

EN61000-3-2

Hold-up Time

8mS minimum at 120V AC and maximum load

Over-Voltage Protection

Zener clamping if voltage exceeds 120% of limit

Over-Current Protection

Output equipped with short circuit protection – auto-restart

Short-Circuit Protection

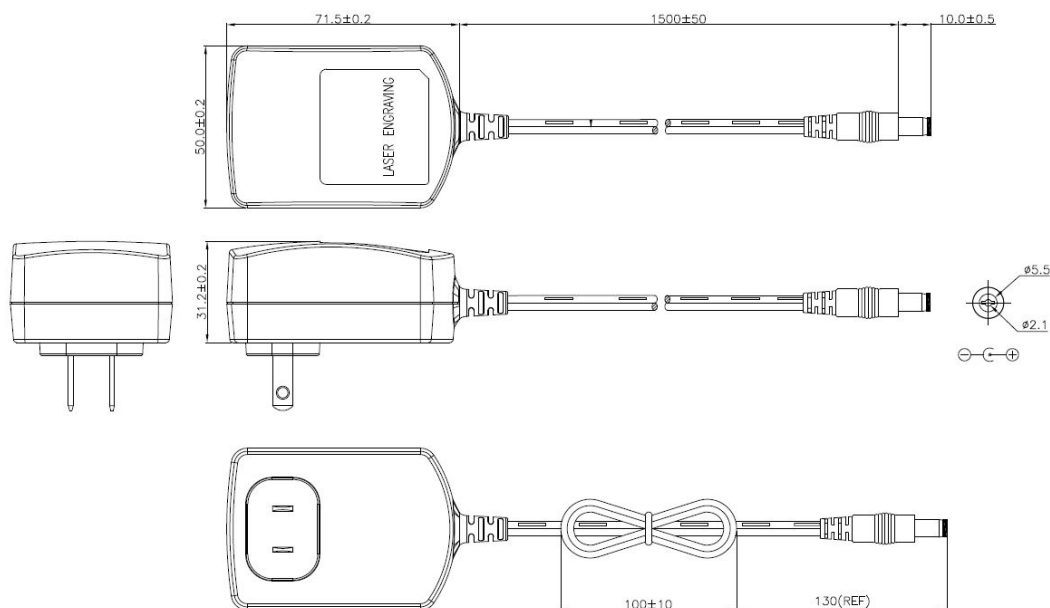
Output can be shorted without damage

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

Dimension Diagram Unit: mm (inch)


Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Phihong:

[PSAC12A-050](#) [PSAC12A-090](#) [PSAC12A-075](#) [PSAC12A-060](#) [PSAC12A-480](#) [PSAC12A-120](#) [PSAC12A-150](#)
[PSAC12A-240](#)