



## 5W Low Cost Linear Eliminator PSAC05 Adapters Meets Level VI Requirements



### Features

- Double Insulated
- Efficiency Level VI Compliance
- Small Package Size
- Low Leakage Current
- Low Cost
- Class B EMI

### Applications

- MPEG Players
- PDAs
- Personal Electronics
- Digital Cameras

### Safety Approvals

- CB
- UL/cUL

### Mechanical Characteristics<sup>(1)</sup>

- Length: 66.5mm (2.62in)
- Width: 28.0mm (1.10in)
- Height: 39.0mm (1.54in)
- Weight: 85g (3oz)

### Output Specifications

Model	DC Output Voltage	Load		Ripple <sup>(1)</sup> P-P (max.)	Regulation Line & Load	Efficiency Level
		Min.	Max.			
PSAC05A-050L6	5.0V	0A	1A	150mV	±5%	VI
PSAC05A-050L6M*	5.0V	0A	1A	150mV	±5%	VI
PSAC05A-050L6B*	5.0V	0A	1A	150mV	±5%	VI

Notes:

(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.

M\* - DC Cord USB Micro-B

B\* - DC Cord USB Mini-B

Phihong is not responsible for any error, and reserves the right to make changes without notice. Please visit our website at [www.phihong.com](http://www.phihong.com) for the most up-to-date specifications and contact information.

**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**

0.15A (RMS) maximum

**Leakage Current**

250uA maximum

**Inrush Current**

40A @115Vac/60Hz & Max load  
60A @230Vac/50Hz & Max load  
(Cold start at ambient 25°C)

**Output:****Efficiency**

DOE Level VI

**Environmental:****Temperature**

Operation	0 to +40°C
Non-operation	-20 to +70°C
Humidity	0 to 90%

**Emissions**

FCC Class B  
EN55022 Class B

**Immunity**

EN 61000-4-2 Level 4, Contact  $\pm 8$ kV. Air  $\pm 15$ kV  
EN 61000-4-5 Level 3, 1kV line to neutral,  
Criteria B

**Over-Voltage Protection**

7.5V DC maximum

**Over-Current Protection**

2A maximum

**Short-Circuit Protection**

Output can be shorted permanently without damage

**Dielectric Withstand (Hi-pot) Test**

Primary to Secondary: 3000V AC for 1 min., 10mA  
Pri. to Sec. 3300Vac, 10mA for 3 Sec for production testing

**DC Output Connector**

L6 Model – Barrel  
L6M Model - Micro USB  
L6B Model - Mini USB

**Dimension Diagram Unit: mm PSAC05A-050L6**

WIRE AWG	PIN	COLOR	POLARITY	IMPEDANCE
AWG24	PIN1	BLACK/ GRAY	"+"	170 mohm Max (包含USB和焊盘)
	PIN2,PIN3		SHORT	
	PIN5(CONNECT WITH SHIELDING)	BLACK	"-"	170 mohm Max (包含USB和焊盘)

