



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## 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

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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**

0.15A (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  $\pm 15$ kVEN 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)

