# imall

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!



# Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832 Email & Skype: info@chipsmall.com Web: www.chipsmall.com Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



# 12W Wall Mount Power Supply

- DOE Level VI Efficiency Rating
- Universal Input: 90 ~ 264Vac, 47/63 Hz
- UL/cUL Safety Approved
- Corded Output Connection
- 5Vdc USB Connection Available
- Light Weight and Compact

Model No.	Application	Output Connector	Output Voltage	Output Current			Voltage	Ripple	Line	Load
				Min	Rated	Peak	Accuracy	Noise	Reg.	Reg.
L6R12-050	ITE	Corded Jack	+5.0V	0	2.1	_	±5%	< ± 1%	± 1%	± 5%
L6R12-050U	ITE	USB Connector	+5.0V	0	2.1	-	±5%	< ± 1%	± 1%	± 5%
L6R12-070	ITE	Corded Jack	+7.0V	0	1.3	-	±5%	< ± 1%	±1%	± 5%
L6R12-090	ITE	Corded Jack	+9.0V	0	1.3	-	±5%	< ± 1%	±1%	± 5%
L6R12-120	ITE	Corded Jack	+12.0V	0	1.0	-	±5%	< ± 1%	±1%	± 5%
L6R12-180	ITE	Corded Jack	+18.0V	0	0.7	_	±5%	< ± 1%	± 1%	± 5%
L6R12-240	ITE	Corded Jack	+24.0V	0	0.5	-	±5%	< ± 1%	±1%	± 5%
L6R12-300	ITE	Corded Jack	+30.0V	0	0.4	_	±5%	< ± 1%	± 1%	± 5%
L6R12-360	ITE	Corded Jack	+36.0V	0	0.3	_	±5%	< ± 1%	± 1%	± 5%

Output voltages from 5.0Vdc to 36.0Vdc are available in increments of 0.1V. Please contact Tri-Mag, LLC for the part number and specifications for your output voltage requirement and application.

• The output voltage is verified to specs at 60 percent rated load condition.

• The line regulation is defined by changing ± 10 percent of input voltage from the nominal line at rated load.

• The load regulation is defined by changing ± 40 percent of the measured output load from 60 percent of the rated load.

• The ripple and noise is measured by using 20MHz bandwidth limited oscilloscope with each output terminated with a 10 µF electrolytic and a 0.1 µF capacitor at rated load and nominal line.

The efficiency is measured at rated load and nominal line.





### **Power** Supplies

# L6R12 Series

Innovative, reliable, and inexpensive. That's the L6R12 Series.

This economical, DOE Level VI compliant power supply/charger is rated up to 12W when charging any mobile or wireless device.

# **Specifications**

#### Input

Input Voltage	• 90 Vac ~ 264 Vac
Input Frequency	• 47 Hz to 63 Hz
No Load Input Power	• < 0.1W
Input Current	• 1.2A Max.
Inrush Current	• 40A Max.
Leakage Current	• 0.25mA Max.
Input Connection	US (others available)
Output	
Output Voltage Range	• 5.0 to 36.0 Vdc
Output Current Range	• 400 - 2000mA, 12W Max.
Minimum Load	No min. load required.
Line Regulation	<ul> <li>± 1% at rated load across input voltage range</li> </ul>
Load Regulation	• ± 5%
Ripple & Noise	• 100mVp-p Max.
Overvoltage Protection	Auto recovery
Overload Protection	Auto recovery
Short Circuit Protection	Auto recovery
General	
Insulation Resistance	• 50MΩ Min.
Efficiency	Level VI compliant
MTBF	• 50,000 hrs to MIL-HDBK-217F at +25°C

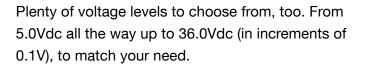
#### Environmental

Operating Temperature	٠	0°C to 40°C
Operating Humidity	٠	5% - 95% RH, Non-Condensing
Storage Temperature	٠	-20°C to +80°C

### EMC & Safety

Safety Approvals **EMC** Approvals

- UL: UL60950-1 cUL: UL60950-1
- FCC



Contact us (800-657-0853 or Sales@Tri-Mag.com) for the part number to match your specifications.

Warranty

## Warranty Period • 1 year **Dimensions and Notes** Dimensions in mm Tolerance ± 0.2mm ٠ Size ٠ 59.0 x 40.9 x 25.5 mm 2.32 x 1.60 x 1.00 Inches Weight Approx. 105g (3.7 oz.) Connectors AC input, US 2-prong inlet plug DC output, standard 5.5mm x 2.1mm corded dc output jack or per customer specification. Cord length 1500 ± 20 mm (59 ± .8") Mechanical Drawing 25.5-40.9 6.0 0 60 1500 +20

