

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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## **L6R12H Series**

# 12W Wall Mount Power Supply

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



Model No.	Application	Output Connector	Output Voltage	Output Current			Voltage	Ripple	Line	Load
				Min	Rated	Peak	Accuracy	Noise	Reg.	Reg.
L6R12H-050	ITE	2.1mm I.D. x 5.5mm O.D. x 9.5mm Barrel	+5.0V	0	2.1	-	±5%	< ± 1%	± 1%	± 5%
L6R12H-059	ITE		+5.9V	0	1.8	-	±5%	< ± 1%	± 1%	± 5%
L6R12H-070	ITE		+7.0V	0	1.7	-	±5%	< ± 1%	± 1%	± 5%
L6R12H-090	ITE		+9.0V	0	1.0	_	±5%	< ± 1%	± 1%	± 5%
L6R12H-120	ITE		+12.0V	0	1.0	-	±5%	< ± 1%	± 1%	± 5%

- Output voltages from 5.0Vdc to 12.0Vdc 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.





## **L6R12H Series**

Innovative, reliable, and inexpensive. That's the L6R12H Series.

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

Plenty of voltage levels to choose from, too. From 5.0Vdc to 12.0Vdc (in increments of 0.1V), to match your need.

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

## **Specifications**

#### Input

Input Voltage Input Frequency No Load Input Power

Input Current Inrush Current

Leakage Current Input Connection 90 Vac ~ 264 Vac

47 Hz to 63 Hz

< 0.1W

1.2A Max. 40A Max.

0.25mA Max.

US (others available)

#### Output

Output Voltage Range **Output Current Range** Minimum Load Line Regulation

• 5.0 to 12.0 Vdc

500 - 2100mA, 12W Max.

No min. load required.

± 1% at rated load across input voltage range

Load Regulation Ripple & Noise Overvoltage Protection

100mVp-p Max. Auto recovery

± 5%

Overload Protection Short Circuit Protection

Auto recovery Auto recovery

#### General

Insulation Resistance Efficiency

• 50MΩ Min.

Level VI compliant

**MTBF** 

50,000 hrs to MIL-HDBK-217F at +25°C

#### Environmental

Operating Temperature Operating Humidity

10°C to 40°C

• 5% - 95% RH, Non-Condensing

Storage Temperature -20°C to +80°C

#### EMC & Safety

Safety Approvals

• UL: UL60950-1

cUL: UL60950-1

**EMC Approvals** 

FCC

#### Warranty

Warranty Period

1 year

#### **Dimensions and Notes**

Dimensions in mm Tolerance

Size

Weight

• ± 0.2mm

74.0 x 29.0 x 48.0 mm 2.91 x 1.14 x 1.89 Inches

Approx. 120g (4.2 oz.)

AC input, US 2-prong inlet plug DC output, standard 2.1mm x 5.5mm x 9.5mm corded dc barrel connector or per

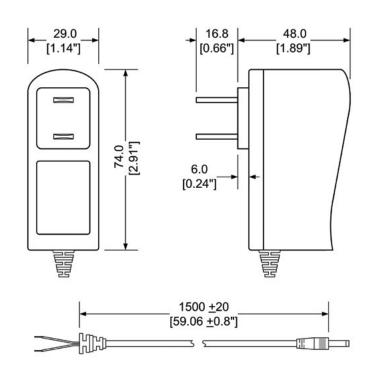
customer specification.

Cord length

Connectors

• 1500 ± 20 mm (59 ± .8")

### Mechanical Drawing



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