# **L6R06H Series**

# 6W 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.
L6R06H-050	ITE	Corded Jack	+5.0V	0	1.2	-	±5%	< ± 1%	± 1%	± 5%
L6R06H-050U	ITE	USB Connector	+5.0V	0	1.2	-	±5%	< ± 1%	± 1%	± 5%
L6R06H-070	ITE	Corded Jack	+7.0V	0	0.86	-	±5%	< ± 1%	± 1%	± 5%
L6R06H-090	ITE	Corded Jack	+9.0V	0	0.67	-	±5%	< ± 1%	± 1%	± 5%
L6R06H-120	ITE	Corded Jack	+12.0V	0	0.50	-	±5%	< ± 1%	± 1%	± 5%
L6R06H-150	ITE	Corded Jack	+15.0V	0	0.40	-	±5%	< ± 1%	± 1%	± 5%
L6R06H-180	ITE	Corded Jack	+18.0V	0	0.33	-	±5%	< ± 1%	± 1%	± 5%
L6R06H-190	ITE	Corded Jack	+19.0V	0	0.31	_	±5%	< ± 1%	± 1%	± 5%
L6R06H-240	ITE	Corded Jack	+24.0V	0	0.25	_	±5%	< ± 1%	± 1%	± 5%

- Output voltages from 5.0Vdc to 24.0Vdc 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.





# **L6R06H Series**

Innovative, reliable, and inexpensive. That's the L6R06H Series.

This economical, DOE Level VI compliant power supply/charger is rated up to 6W when charging any mobile or wireless device.

Plenty of voltage levels to choose from, too. From 5.0Vdc all the way up to 24.0Vdc (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 24.0 Vdc
- 250 1200mA, 6W Max.
- No min. load required.
- ± 1% at rated load across input voltage range

Load Regulation

Ripple & Noise Overvoltage Protection Overload Protection

Short Circuit Protection

100mVp-p Max. Auto recovery

± 5%

- Auto recovery
- Auto recovery

#### General

Insulation Resistance Efficiency

- 50MΩ Min.
- Level VI compliant
- 50.000 hrs to MIL-HDBK-217F at +25°C **MTBF**

## 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

# Dimensions and Notes

Dimensions in mm Tolerance

Size

± 0.2mm

• 1 year

42.0 x 38.7 x 23.7 mm 1.65 x 1.52 x 0.93 Inches

Weight

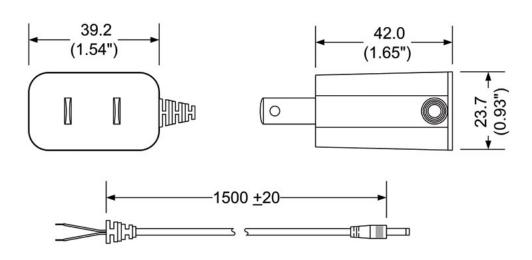
Approx. 90g (3.17 oz.) Connectors

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



2017-06