# **L6R09H Series**

# 9W 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.
L6R09H-050	ITE	Corded Jack	+5.0V	0	1.80	-	±5%	< ± 1%	± 1%	± 5%
L6R09H-050U	ITE	USB Connector	+5.0V	0	1.80	-	±5%	< ± 1%	± 1%	± 5%
L6R09H-070	ITE	Corded Jack	+7.0V	0	1.28	-	±5%	< ± 1%	± 1%	± 5%
L6R09H-090	ITE	Corded Jack	+9.0V	0	1.00	-	±5%	< ± 1%	± 1%	± 5%
L6R09H-120	ITE	Corded Jack	+12.0V	0	0.75	-	±5%	< ± 1%	± 1%	± 5%
L6R09H-150	ITE	Corded Jack	+15.0V	0	0.60	-	±5%	< ± 1%	± 1%	± 5%
L6R09H-180	ITE	Corded Jack	+18.0V	0	0.50	-	±5%	< ± 1%	± 1%	± 5%
L6R09H-190	ITE	Corded Jack	+19.0V	0	0.47	_	±5%	< ± 1%	± 1%	± 5%
L6R09H-240	ITE	Corded Jack	+24.0V	0	0.38	_	±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  $\pm$  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.





# **L6R09H Series**

Innovative, reliable, and inexpensive. That's the **L6R09H Series**.

This economical, DOE Level VI compliant power supply/charger is rated up to 9W 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

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

375 - 1800mA, 9W 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 recoveryAuto recovery

#### General

Insulation Resistance Efficiency

•  $50M\Omega$  Min.

Level VI compliant

• 50,000 hrs to MIL-HDBK-217F at +25°C

#### Environmental

Operating Temperature
Operating Humidity
Storage Temperature

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

± 0.2mm

Size

56.0 x 45.0 x 26.0 mm 2.20 x 1.77 x 1.02 Inches

Weight

Approx. 90g (3.17 oz.) Ref.

Connectors

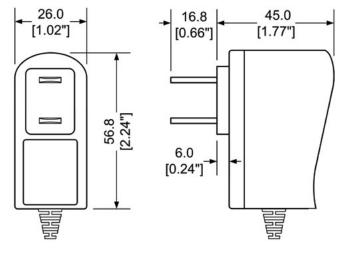
Cord length

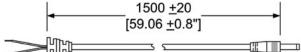
AC input, US 2-prong inlet plug
DC output, standard 5.5mm x 2.1mm
corded dc output jack or per

customer specification.

• 1500 ± 20 mm (59 ± .8")

## Mechanical Drawing





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