## **L6R36D Series**

# 36W Desktop Power Supply

- DOE Level VI Efficiency Rating
- Universal Input: 90 ~ 264Vac, 47/63 Hz
- UL/cUL Safety Approved
- Corded Output Connection
- IEC 60320 C8 AC Input Connector
- Lightweight and Compact



Model No. <sup>1</sup>	Application	Output Connector	Output Voltage	Output Current			Voltage	Ripple	Line	Load
				Min	Rated	Peak	Accuracy	Noise	Reg.	Reg.
L6R36D-090	ITE	Corded Jack	+9.0V	0	4.0	_	±5%	< ± 1%	± 1%	± 5%
L6R36D-120	ITE	Corded Jack	+12.0V	0	3.0	_	±5%	< ± 1%	± 1%	± 5%
L6R36D-180	ITE	Corded Jack	+18.0V	0	2.0	_	±5%	< ± 1%	± 1%	± 5%
L6R36D-240	ITE	Corded Jack	+24.0V	0	1.5	_	±5%	< ± 1%	± 1%	± 5%
L6R36D-300	ITE	Corded Jack	+30.0V	0	1.2	_	±5%	< ± 1%	± 1%	± 5%
L6R36D-360	ITE	Corded Jack	+36.0V	0	1.0	_	±5%	< ± 1%	± 1%	± 5%

<sup>1.</sup> Add "C8" for the required AC input connector configuration.

- 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.





# **L6R36D Series**

Dependable and economical power supplies/ chargers rated up to 36W when powering desktop or portable equipment.

DOE Level VI compliant. Plenty of voltage levels to

choose from, too. From 5.0Vdc up to 36.0Vdc (in increments of 0.1), to match your need.

Call us (800-657-0853) 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 36.0 Vdc
- L6R36D: 1.0 5.0A, 36W Max.
- No min. load required.
- ± 1% at rated load across input voltage range

Load Regulation

Ripple & Noise Overvoltage Protection

- Overload Protection Short Circuit Protection
- ± 5%
- 240mVp-p Max.
- Auto recovery
- Auto recovery Auto recovery

#### General

**MTBF** 

Insulation Resistance Efficiency

- 50MΩ Min.
- Level VI compliant
- 50,000 hrs to MIL-HDBK-217F at +25°C

#### Environmental

**Operating Temperature** Operating Humidity

- Storage Temperature
- 5% 95% RH, Non-Condensing -20°C to +80°C

0°C to 40°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

+ 0.2 mm

97.0 x 45.0 x 34.6 mm

3.82 x 1.77 x 1.36 Inches

Weight Connectors Approx. 240g (8.5oz.)

AC input, IEC 60320 C6 or

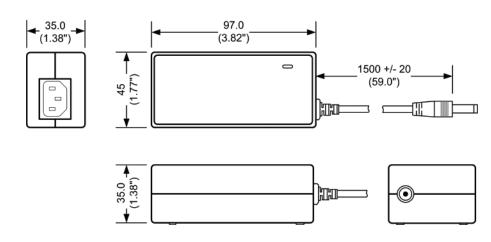
C8 connectors

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



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