# **L6R160D Series**

# 160W Desktop Power Supply

- DOE Level VI Efficiency Rating
- Universal Input: 90 ~ 264Vac, 47/63 Hz
- UL/cUL Safety Approved
- Corded Output Connection
- IEC 60320 C6 and C14 AC input connectors
- Light Weight and Compact



Model No. <sup>1</sup>	Application	Output Connector	Output Voltage	Output Current (A)			Voltage	Ripple	Line	Load
				Min	Rated	Peak	Accuracy	Noise	Reg.	Reg.
L6R160D-120	ITE	4-Pin Circular DIN	+12.0V	0	12.50	-	±5%	< ± 2%	± 1%	± 5%
L6R160D-150	ITE		+15.0V	0	10.00	_	±5%	< ± 2%	± 1%	± 5%
L6R160D-190	ITE		+19.0V	0	8.40	-	±5%	< ± 2%	± 1%	± 5%
L6R160D-240	ITE		+24.0V	0	6.60	_	±5%	< ± 2%	± 1%	± 5%
L6R160D-480	ITE		+48.0V	0	3.30	-	±5%	< ± 2%	± 1%	± 5%
L6R160D-560	ITE		+56.0V	0	2.86	_	±5%	< ± 2%	± 1%	± 5%

<sup>1.</sup> Add "C6" or "C14" for the required AC input connector configuration.

- 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.





# **L6R160D Series**

Innovative, reliable, and inexpensive. This economical DOE Level VI compliant power supply/charger is available in a variety of voltage levels,

12.0 to 56.0Vdc (per the model number table) to match your needs. Rated up to 160W when powering either stationary or charging portable devices.

## **Specifications**

# Input Voltage • 9 Input Frequency • 4 No Load Input Power Input Current • 2 Inrush Current • 6 Leakage Current • 3 Input Connection • IE

- 90 Vac ~ 264 Vac
- 47 Hz to 63 Hz
- < 0.15W</li>
- 2.2A Max.
- 60A Max. / 230Vac
- 3.5mA Max.
- IEC 60320 C6 or C14

#### Output

Output Voltage Range
Output Current Range
Minimum Load
Line Regulation

- 12.0 to 56.0Vdc
- 12.5 to 2.86A
- No min. load required.
- ± 1% at rated load across input voltage range

Load Regulation

Ripple & Noise

Overvoltage Protection Overload Protection Short Circuit Protection

- 2% Vp-p Max. @ full load
- Auto recovery

± 5% (typical)

Auto recoveryAuto recovery

#### General

Dielectric Withstand Efficiency MTBF

- 3,000Vac Primary to Secondary
- Level VI, ErP Stage 2, CoC Tier 2 compliant
- 300,000 hrs. @ 25°C per Telcordia SR-332

#### Environmental

Operating Temperature
Operating Humidity
Storage Temperature
Storage Humidity

- 0°C to 40°C
- 20 to 80% RH, Non-Condensing
- -20°C to +80°C
  - 10 to 90%, Non-Condensing

#### **EMC & Safety**

Safety Approvals

- UL/cUL: UL60950-1
- CE: IEC 60950-1
- EMC Approvals

# • FCC

#### Warranty

Warranty Period

1 year

#### Dimensions and Notes

Dimensions in mm Tolerance Size

Output Cord length

Size

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• ± 0.2mm

L 175 x W 74 x H 42 (mm)
 L 6.89" x W 2.91" x H 1.65"

Weight Connectors • Approx. 700g (1.54 lb.) (Ref.)

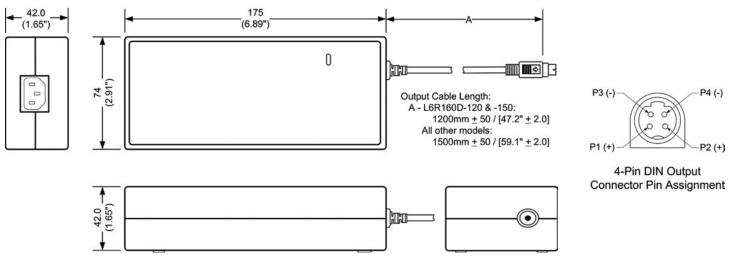
 AC input; IEC 60320 C6 or C14 connector

C14 connector

 DC output; 4-pin circular DIN output connector or per customer specification.

• L6R160D-120: 1200 ±30 mm (47.2 ±1.2") All other P/Ns: 1500 ±30 mm (59 ±1.2")

## Mechanical Drawing



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