L6R250D Series

250W Desktop Power Supply

- DOE Level VI Efficiency Rating
- Universal Input: 90 ~ 264Vac, 47/63 Hz
- UL/cUL/IEC 62368-1 Approved
- · Corded Output Connection
- IEC 60320 C6 and C14 AC input connectors
- · Light Weight and Compact
- RoHS Compliant Class II Design



Model No. ¹	Application	Output Connector	Output Voltage	Output Current (A)			Voltage	Ripple	Line	Load
				Min	Rated	Peak	Accuracy	Noise	Reg.	Reg.
L6R250D-120	ITE	6-Pin Rectangular	+12.0V	0	20.00	_	±5%	< ± 2%	± 1%	± 5%
L6R250D-190	ITE	6-Pin Rectangular	+19.0V	0	13.20	_	±5%	< ± 2%	± 1%	± 5%
L6R250D-240	ITE	6-Pin Rectangular	+24.0V	0	10.42	_	±5%	< ± 2%	± 1%	± 5%
L6R250D-480	ITE	6-Pin Rectangular	+48.0V	0	5.20	_	±5%	< ± 2%	± 1%	± 5%
L6R250D-560	ITE	6-Pin Rectangular	+56.0V	0	4.48	_	±5%	< ± 2%	± 1%	± 5%

^{1.} 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 ± 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.





L6R250D Series

Innovative, reliable, and inexpensive. This economical, Class II design is a 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 250W when powering either stationary or charging portable devices.

Specifications

Input

Input Voltage
Input Frequency
No Load Input Power
Input Current

Input Current
Inrush Current

Leakage Current Input Connection

- 90 Vac ~ 264 Vac
- 47 Hz to 63 Hz
- < 0.15W
- 3.3A 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
- 20.0 to 4.48A
- No min. load required.
- ± 1% at rated load across input voltage range

Load Regulation

Ripple & Noise Overvoltage Protection

- Overload Protection
 Short Circuit Protection
- ± 5% (typical)2% Vp-p Max. @ full loadAuto recovery

Auto recovery

Auto 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

EMC Approvals

- UL/cUL: UL/cUL 62368-1, 60950-1
- CE: IEC 62368-1, 60950-1
- FCC

Warranty

Warranty Period

1 year

Dimensions and Notes

Dimensions in mm Tolerance Size

Output Cord length

0.20

Weight Connectors • ± 0.2mm

L 204 x W 94 x H 43.5 (mm)
 L 8.03" x W 3.70" x H 1.71"

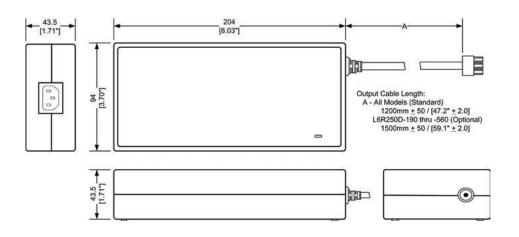
• Approx. 1040g (2.3 lb.) (Ref.)

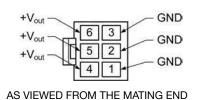
 AC input; IEC 60320 C6 or C14 connector

 DC output; 6-pin (2x3) rectangular dc output connector or per customer specification.

1200 ±30 mm (47.2 ±1.2")

Mechanical Drawing





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