

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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L6R90D Series

90W 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.¹	Application	Output Connector	Output Voltage	Output Current (A)			Voltage	Ripple	Line	Load
				Min	Rated	Peak	Accuracy	Noise	Reg.	Reg.
L6R90D-120	ITE	2.5mm I.D. x 5.5mm O.D. x 9.5mm Barrel	+12.0V	0	7.00	-	±5%	< ± 2%	± 1%	± 5%
L6R90D-150	ITE		+15.0V	0	6.00	-	±5%	< ± 2%	± 1%	± 5%
L6R90D-160	ITE		+16.0V	0	5.63	-	±5%	< ± 2%	± 1%	± 5%
L6R90D-180	ITE		+18.0V	0	5.00	-	±5%	< ± 2%	± 1%	± 5%
L6R90D-190	ITE		+19.0V	0	4.74	-	±5%	< ± 2%	± 1%	± 5%
L6R90D-200	ITE		+20.0V	0	4.50	-	±5%	< ± 2%	± 1%	± 5%
L6R90D-240	ITE		+24.0V	0	3.75	-	±5%	< ± 2%	± 1%	± 5%
L6R90D-300	ITE		+30.0V	0	3.00	-	±5%	< ± 2%	± 1%	± 5%
L6R90D-480	ITE		+48.0V	0	1.88	-	±5%	< ± 2%	± 1%	± 5%
L6R90D-560	ITE		+56.0V	0	1.60	-	±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.





L6R90D Series

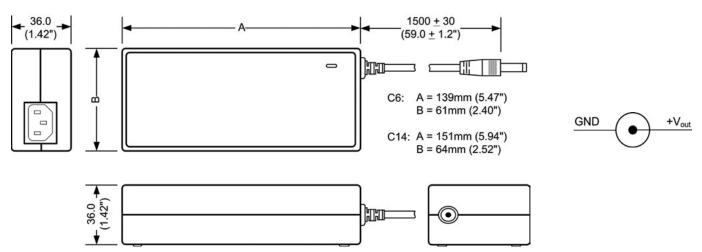
Innovative, reliable, and inexpensive. This economical DOE Level VI compliant power supply/ charger is available in a variety of voltage levels,

12.0 to 56.0Vdc (per the model number table) to match your needs. Rated up to 90W when powering either stationary or charging portable devices.

Specifications

Environmental Input Input Voltage 90 Vac ~ 264 Vac Operating Temperature 0°C to 40°C 47 Hz to 63 Hz 20 to 80% RH. Non-Condensing Input Frequency Operating Humidity No Load Input Power < 0.21WStorage Temperature -20°C to +80°C Input Current 1.2A Max. Storage Humidity 10 to 90%, Non-Condensing Inrush Current 60A Max. / 230Vac EMC & Safety Leakage Current 3.5mA Max. IEC 60320 C6 or C14 Input Connection Safety Approvals UL/cUL: UL60950-1 CE: IEC 60950-1 Output **EMC Approvals** FCC 12.0 to 56.0Vdc Output Voltage Range Warranty **Output Current Range** 1.6 to 7.0A Minimum Load No min. load required. Warranty Period • 1 year Line Regulation ± 1% at rated load across input Dimensions and Notes voltage range Load Regulation ± 5% (typical) Dimensions in mm Ripple & Noise 2% Vp-p Max. @ full load Tolerance + 0.2mm Overvoltage Protection Auto recovery Size C6: L 139 x W 61 x H 36 (mm) Overload Protection Auto recovery L 5.5" x W 2.4" x H 1.4" Short Circuit Protection Auto recovery C14: L 151 x W 64 x H 36 (mm) L 5.9" x W 2.5" x H 1.4" General Weight Approx. 460g (1.0 lb.) Dielectric Withstand • 3,000Vac Primary to Secondary Connectors AC input; IEC 60320 C6 or C14 connector Efficiency Level VI, ErP Stage 2, CoC Tier 2 compliant DC output; Standard 2.5mm x 5.5mm x **MTBF** 300,000 hrs. @ 25°C per Telcordia SR-332 9.5mm barrel connector or per customer specification. Output Cord length • 1500 ±30 mm (59 ±1.2")

Mechanical Drawing



2017-10