



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!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Data Sheet

High Current DC Power Supplies Models 1790, 1791, 1794, 1795 & 1796



Model 1795

Models 1790, 1791, 1794, 1795 & 1796 are cost-effective, high power, regulated DC power supplies. These linear power supplies are high power workhorses that will easily deliver clean power to your high-current circuits. Special features include the ability to set constant current with no load and remote sense to compensate for any voltage drop in load leads.

Features & Benefits

- Constant voltage (CV) and constant current (CC) operation
- High stability and excellent regulation
- Separate output ON/OFF switch
- Remote sensing
- External analog programming interface

Specifications	1790	1791	1794	1795	1796
Output Characteristics					
Voltage	0-32 V	0-64 V	0-32 V	0-64 V	0-16 V
Current	0-20 A	0-10 A	0-30 A	0-15 A	0-50 A
Max. Power	640 W	640 W	960 W	960 W	800 W
Constant Voltage Mode					
Line Regulation	$\pm 0.01\% \pm 2 \text{ mV}$				
Load Regulation	$\pm 0.01\% \pm 2 \text{ mV}$				
Ripple and Noise (20 Hz - 20 MHz)	<math>< 1 \text{ mV rms}</math>				
Constant Current Mode					
Line Regulation	$\pm 0.05\% \pm 15 \text{ mA}$				
Load Regulation	$\pm 0.05\% \pm 15 \text{ mA}$				
Ripple and Noise (20 Hz - 20 MHz)	3 mA rms		6 mA rms		3 mA rms
General					
Stability (Total drift within 8 hours after warm up under constant line, load, and temperature)	$\pm 0.2\% \pm 10 \text{ mV}$ in CV mode $\pm 0.5\% \pm 10 \text{ mA}$ in CC mode				
Operating Temperature	32 to 104 °F (0 to 40 °C)				
AC Input	120 / 230* VAC $\pm 10\%$, 47-63 Hz				
Dimension (W x H x D)	19" x 5.24" x 15.75" (483 x 133 x 400 mm)				
Two-Year Warranty					
Included Accessories	User manual and power cord				

*230 VAC input requires modification that should be requested at time of order.