

## SL23111 HeNe Power Supply



Our advanced series SL23 units are DC input power supplies for HeNe lasers up to 15mW. These power supplies include all the benefits of our standard units - long life, maximum output and greater than 75% efficiency - with the addition of an active filter to reduce current ripple and noise. Additional heat sinking is not required for any units except those operating in the AE power range. Units in the AE power range provide approximately 7.5 square inches of heat sink.

The SL23111 is a highly efficient DC input HeNe power supply. Employing an active filter (Option 38) to this unit typically reduces switching frequency and noise by an additional 50%. Filtering on the input lines (Option 37) is also available. This option dramatically reduces conducted emissions from the switching section of the power supply. The SL23111 has an input voltage of 10-14VDC and is available in four power ranges from 2.5W to 25W.

	SL23111			
	AL	AM	AH	AE
Input Voltage (VDC)	10-14			
Starting Voltage (kV)*	>8	>10		
Output Power (W)	2.5-7	5-10	9-17	16-25
Output Voltage (VDC)	900-1600	1300-2000	1700-3000	2500-3500
Output Current (mA)	2.5-5	3.5-6	4.5-7	6-7.5
Output Current Ripple (%)	<.1 P-P @ nominal voltage			
Efficiency (%)	>75			
Operating Temp (°C)	-20 to +60			
Operating Storage Temp (°C)	-40 to +80			
Approx. Tube Output (mW)	1	1-3	2-5	5-15
Dimensions, W x L x H, in/mm	1.50 x 4.25 x 1.00 / 37.34 x 107.95 x 24.13			

\* at nominal input voltage

