

## SL23110 HeNe Power Supply

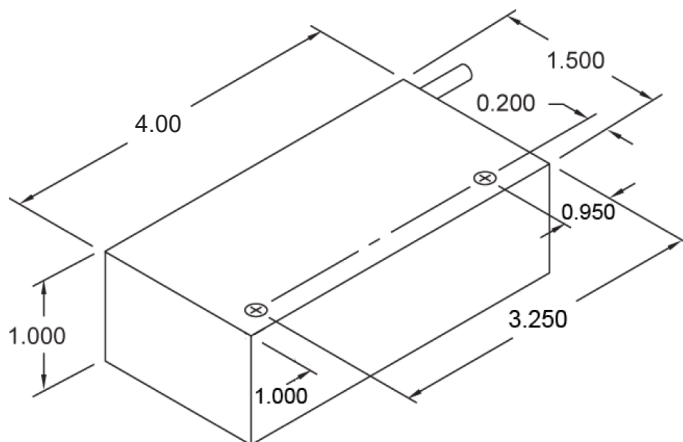


Our advanced SL23110 series units are DC input power supplies for HeNe lasers up to 15mW. These power supplies include all the benefits of our standard units - long life, maximum output and greater than 75% efficiency - with the addition of an active filter to reduce current ripple and noise. Additional 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 SL23110 includes an advanced active filter to reduce power supply output current noise to <1%. The SL23110 has an input voltage of 10-14VDC and is available in four power ranges from 2.5W to 25W.

|                              | SL23110                                     |           |           |           |
|------------------------------|---------------------------------------------|-----------|-----------|-----------|
|                              | 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 (%)**  | <2 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 4.00 x 1.00 / 37.34 x 101.60 x 24.13 |           |           |           |

\* At nominal input voltage  
\*\* Tube dependent



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