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Power Technology Incorporated




# SL23120

## HeNe Power Supply

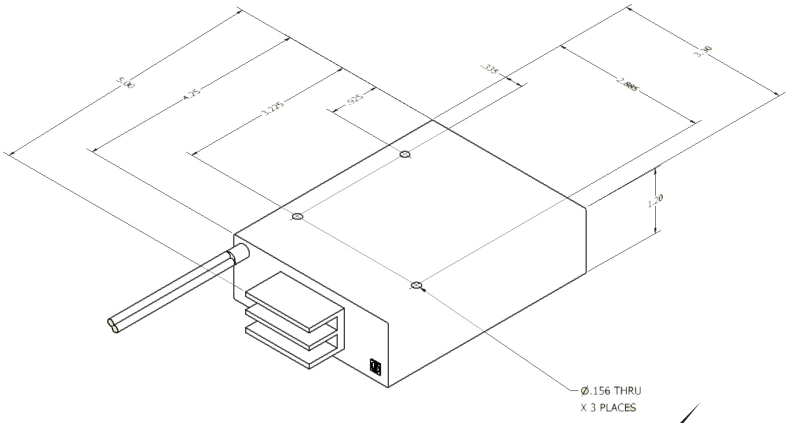
***with heat sink***

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 SL23120 features advanced circuit stability that provides superior thermal management for the power supply and helps eliminate the effects of outside influences. By employing an active filter (Option 38) to the SL23120, users can reduce output noise with less than 0.5% P-P output current ripple, representing a decrease in switching frequency and noise by 90% over our standard line of power supplies. In addition, users can incorporate Option 37 on the input lines to reduce noise caused by conducted emissions from the switching section of the power supply. Option 37 minimizes interference with other equipment on the same power supply bus.

| | SL23120 | | | |
|---|---|---|---|---|
| | AL | AM | AH | AE |
| Input Voltage (VDC) | 10-14 | | | |
| Starting Voltage (kV)* | >10 | | | |
| Output Power (W) | 2.5-5 | 3.5-6 | 4.5-7 | 6-7.5 |
| 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 (%) | <.5 P-P @ nominal voltage | | | |
| Efficiency (%) | >75 | | | |
| OperatingTemp (°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 | 3.30 x 4.25 x 1.20 / 83.82 x 107.95 x 30.48 | | | |

* at nominal input voltage




RoHS™ Compliant

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501-407-0712
sales@PowerTechnology.com

**Artisan Technology Group** is an independent supplier of quality pre-owned equipment

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