

# Voltex HeNe Laser Power Supply

**Model E-21-00**



The Voltex E series of DC input power supplies represents the state of the art in compact, ultra-high reliability switching power supplies. This series offers a full range of features including CDRH delay, user adjustable current, and an open-collector disable input ("TTL" control). Designed to provide very high conversion efficiency, and fully encapsulated in a specially formulated epoxy for maximum heat dissipation and electrical insulation, these power supplies can be packaged in a much more compact and convenient size than our competitors without compromising reliability. This power supply:

- Operates most 2 mW through 5 mW HeNe lasers.
- Delivers > 80% conversion efficiency for cool operation and long life.
- At 1" X 1 1/2" X 3 3/4", occupies only 5.6 cubic inches.
- Has an internal bleed-down resistor to reduce shock hazard.
- Has a full 18-month warranty.

For further information, pricing and delivery, please contact:

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## E-21-00 SPECIFICATIONS

### Input:

|                |                     |
|----------------|---------------------|
| Input Volts:   | 10 - 14 VDC         |
| Input Current: | 2.5 A Max. *        |
| Lead Length:   | 12" minimum (304mm) |

### Output:

|                          |   |
|--------------------------|---|
| Voltage:                 | 1800-2500 VDC                               |
| Current:                 | 4 to 7 mA. User adjustable                  |
| Start Voltage:           | >10 KV                                      |
| Output Current Ripple:   | < 5% P - P ( < 2% RMS ) **                  |
| Output Fault Protection: | Open, Short, Arc                            |
| Conversion Efficiency:   | > 80%                                       |
| CDRH Delay:              | 3 - 5 seconds. (Cut violet loop to disable) |
| TTL Enable:              | Ground to enable                            |
| Output Connector:        | Alden style, high voltage                   |
| Dimensions:              | 1" X 1.5" X 3.75" (25mm X 38mm X 95mm)      |

\* Input Current varies with line and load.

\*\* Measured current ripple will vary with type of laser and current setting.

