

Voltex HeNe Laser Power Supply

Model F-27-HT



The Voltex F 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). The HT designation identifies models that have been specially designed to operate in an elevated temperature environment of up to 65° C. 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 HeNe lasers up to 3200Volts at 6mA.
- 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.
- Operates at ambient temperatures up to 65° C.
- Has a full 18-month warranty.

For further information, pricing and delivery, please contact:

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F-27-HT SPECIFICATIONS

Input:

Input Volts:	24 - 30 VDC
Input Current:	1.5 A Max. *
Lead Length:	12" minimum (304mm)

Output:

Voltage:	2300-3200 VDC
Current:	5 to 6 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.

