

LASER SPECIFICATIONS

LASER HEAD MODEL NO.

High Voltage Conn. 3227H-C
Polarized/High Voltage Conn. 3227H-PC

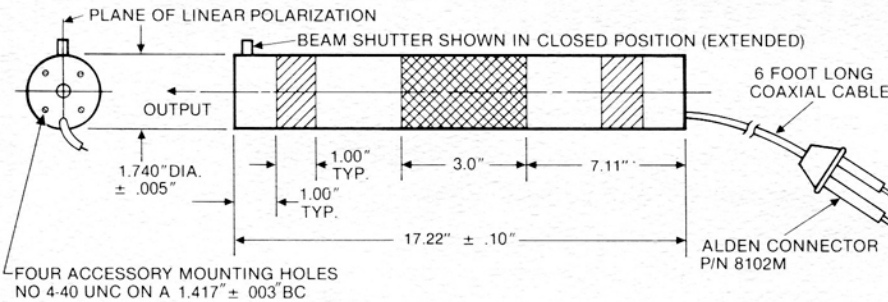
• Minimum output power TEM ₀₀ at 632.8 nm (mW)	7.0
• Beam diameter 1/e ² (mm)	0.80
• Beam divergence (mrad)	1.1
• Longitudinal mode spacing (c/2L) (MHz)	400
• Operating voltage (Vdc ± 100)	2700
• Recommended power supply resistance (kΩ)	65
• Recommended series anode ballast (kΩ)	Included in head
• Connection with power source	High voltage connector Alden #8102M

COMMON SPECIFICATIONS

- Amplitude Noise (30 Hz-10 Mhz) < 1% rms
Note: Ripple is generally higher with dc power supply
- Long term drift ± 5% (in any 8 hr. period following 15 min. warm-up)
- Starting voltage ≤ 10.0 kVdc
- Optimum operating current 7.0 ± 0.2mA
- Angular drift < 0.3 mrad from cold start at 25°C, < 0.04 mrad after 15-minute warm-up
- Static alignment (head) centered to outer cylinder to ≤ 0.010 in, parallel to outer cylinder to ≤ 1 mrad
- Polarization Linear, 500:1 extinction ratio ("P" models only)

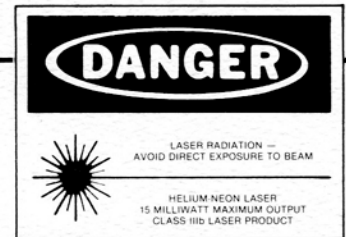
COMMON ENVIRONMENTAL SPECIFICATIONS

	OPERATING	NON-OPERATING
Temperature	- 20°C to 50°C	- 40°C to 80°C
Altitude	0-10,000 ft	0-70,000 ft
Relative humidity without condensation	0-100%	0-100%
Shock		15g for 11 ms



7.0 mW MODELS WITH HIGH VOLTAGE CONNECTOR AND BEAM SHUTTER

- ▨ RECOMMENDED MOUNTING AREAS
- ▩ ALTERNATE MOUNTING AREA



SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE



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