

35 mW 632.8nm (RED) HELIUM NEON LASER

MODEL: 05-LHP-928

OUTPUT SPECIFICATIONS

CW Power Output (mW)	> 35.0
Wavelength (nm)	632.8
Transverse Mode	> 90% TEM ₀₀
Polarization	Linear > 500:1
Beam Diameter at 1/e ² Points	1.23 ± 5%
Beam Divergence (mrad)	0.66 ± 5%
Longitudinal Mode Spacing (MHz)	165
Mode Sweeping	< 5%
Long Term Power Drift (8 hrs)	< 5%
Amplitude Noise, 30 Hz to 30 MHz (peak-to-peak)	< 1%
Warmup to > 95% of Maximum Power (minutes)	< 60
Beam Position Drift From Cold Start (mrad)	N/A
Beam Position Drift After 15 Minute Warmup (mrad)	< 0.03

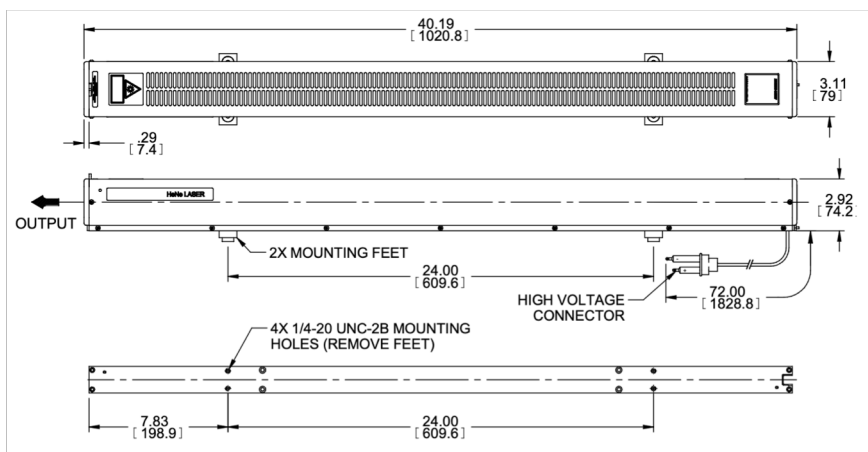
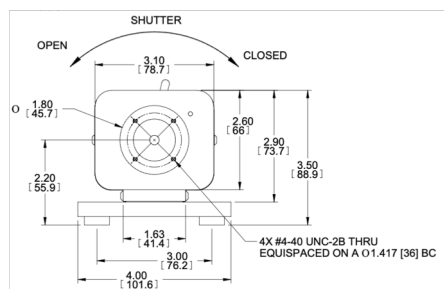
ELECTRICAL SPECIFICATIONS


Start Voltage (kVdc)	< 15
Recommended Operating Current (mA)	8.0 ± 0.2
Operating Voltage (VDC)	5100 ± 100
Recommended Power Supply	05-LPM-944-080 (AC)

ENVIRONMENTAL SPECIFICATIONS

ENVIRONMENTAL SPECIFICATIONS	OPERATING	NON-OPERATING
Temperature (°C)	+10 to +40	-40 to +80
Altitude (meters)	0 to 3000	0 to ∞
Relative Humidity (% , non-condensing)	0 to 99%	0 to 99%
Mechanical Shock (g)	< 1 for < 11 msec	< 25 for < 11 msec < 100 for < 1 msec

Please contact factory for other options. Specifications are subject to change without notice.






LASER LIGHT
AVOID EXPOSURE TO BEAM
CLASS II LASER PRODUCT (20Mw)
CLASS IIIa LASER PRODUCT (500mW)
75 mW MAXIMUM AT 632.8 nm

Pacific Lasertec

[Part Number]


MFGD: [MONTH YEAR]

SERIAL NO: [234AB]



San Marcos, California USA

COMPLIES WITH
21 CFR 1040.10
AND IEC 60825-
1:2007



Dimensions in Inches (mm)

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Rev 1.19.2