

# 2 mW 594.1 nm (YELLOW) HELIUM NEON LASER

## MODEL: 05-LYR-173

### OUTPUT SPECIFICATIONS

CW Power Output (mW)	> 2.0
Wavelength (nm)	594.1
Transverse Mode	> 90% TEM <sub>00</sub>
Polarization	Random
Beam Diameter at 1/e <sup>2</sup> Points	0.83 ± 5%
Beam Divergence (mrad)	0.91 ± 5%
Longitudinal Mode Spacing (MHz)	373
Mode Sweeping	≤ 5%
Long Term Power Drift (8 hrs)	≤ 2.5%
Amplitude Noise, 30 Hz to 30 MHz (peak-to-peak)	≤ 2.8%
Warmup to > 95% of Maximum Power (minutes)	15
Beam Concentricity with Respect to Housing (mm)	± 0.1
Beam Parallelism with Respect to Housing (mrad)	< 0.5

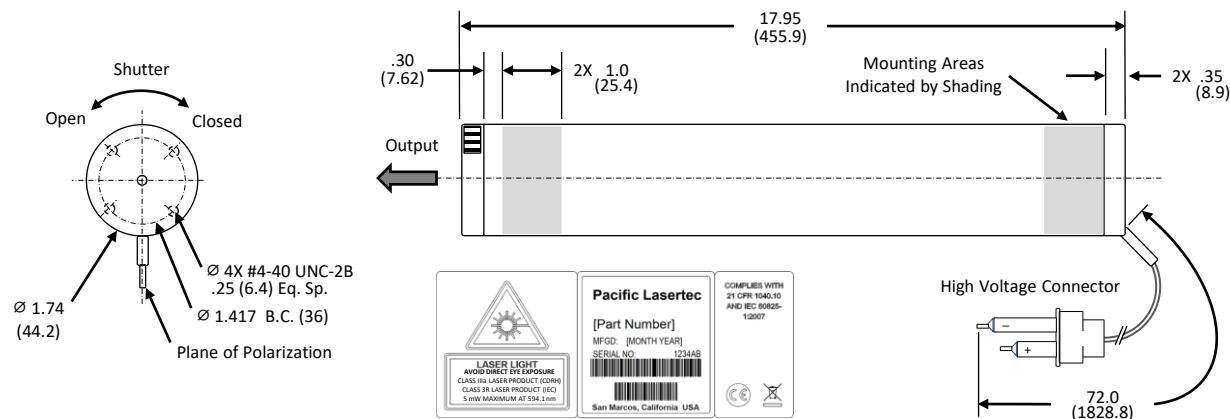
### ELECTRICAL SPECIFICATIONS

Start Voltage (kVdc)	< 10		
Recommended Operating Current (mA)	6.5 ± 0.2		
Operating Voltage (VDC)	2510 ± 100		
Recommended Power Supply	Laboratory 05-LPL-903-065	OEM (AC) 05-LPM-903-065	OEM (DC) 05-LPM-824-065

### ENVIRONMENTAL SPECIFICATIONS

	OPERATING	NON-OPERATING
Temperature (°C)	-20 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

Specifications are subject to change without notice.



Dimensions in Inches (mm)

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