

# 632.8nm (RED) HELIUM NEON LASER

## MODEL: 05-LHB-294

### OUTPUT SPECIFICATIONS

Minimum CW Power Output (W):*	See Note
Wavelength (nm)	632.8
Transverse Mode	N/A
Polarization	Linear > 500:1
Beam Diameter at 1/e <sup>2</sup> Points	N/A
Beam Divergence (mrad)	N/A
Longitudinal Mode Spacing (MHz)	N/A
Mode Sweeping	N/A
Long Term Power Drift (8 hrs)	N/A
Amplitude Noise, 30 Hz to 30 MHz (peak-to-peak)	N/A
Warmup to > 95% of Maximum Power (minutes)	N/A
Beam Position Drift From Cold Start (mrad)	N/A
Beam Position Drift After 15 Minute Warmup (mrad)	N/A

### ELECTRICAL SPECIFICATIONS

Start Voltage (kVdc)	< 8		
Recommended Operating Current (mA)	4.0 ± 0.2		
Operating Voltage with 68k Ohm Ballast (VDC)	1350 ± 100		
Recommended Power Supply	Laboratory	OEM (AC)	OEM (DC)
	05-LPL-900-040	05-LPM-900-040	05-LPM-800-040

### ENVIRONMENTAL SPECIFICATIONS

	OPERATING	NON-OPERATING
Temperature (°C)	-20 to +60	-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. Not CDRH certified.

\*Note: 1.0mW with flat H.R. mirror (L01003-1) and 45cm O.C. mirror (L01002-1) spaced 340mm apart.

