

# 2 mW 632.8nm (RED) HELIUM NEON LASER MODEL: 05-LHP-121

OUTPUT SPECIFICATIONS			
CW Power Output (mW)		> 2.0	
Wavelength (nm)		632.8	
Transverse Mode		> 90% TEM <sub>00</sub>	
Polarization		Linear >500:1	
Beam Diameter at 1/e <sup>2</sup> Points		0.59 ± 5%	
Beam Divergence (mrad)		1.35 ± 5%	
Longitudinal Mode Spacing (MHz)		687	
Mode Sweeping		< 5%	
Long Term Power Drift (8 hrs)		< 5%	
Amplitude Noise, 30 Hz to 30 MHz (peak-to-peak)		< 2.8%	
Warmup to > 95% of Maximum Power (minutes)		< 15	
Beam Position Drift From Cold Start (mrad)		< 0.05	
Beam Position Drift After 15 Minute Warmup (mrad)		< 0.03	
ELECTRICAL SPECIFICATIONS			
Start Voltage (kVdc)		< 10	
Recommended Operating Current (mA)		6.5 ± 0.2	
Operating Voltage (VDC)		1790 ± 100	
Recommended Power Supply	05-LPM-911-065 (AC)	05-LPM-830-065 (DC)	
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

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

