

2.5 mW 632.8nm (RED) HELIUM NEON LASER MODEL: 05-LHP-691

OUTPUT SPECIFICATIONS		
CW Power Output (mW)		> 2.5
Wavelength (nm)		632.8
Transverse Mode		> 90% TEM ₀₀
Polarization		Linear > 500:1
Beam Diameter at 1/e ² Points		0.52 ± 5%
Beam Divergence (mrad)		1.53 ± 5%
Longitudinal Mode Spacing (MHz)		822
Mode Sweeping		< 10%
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 Position Drift From Cold Start (mrad)		< 0.05
Beam Position Drift After 15 Minute Warmup (mrad)		< 0.03
ELECTRICAL SPECIFICATIONS		
Start Voltage (kVdc)		< 8
Recommended Operating Current (mA)		4.5 ± 0.2
Operating Voltage (VDC)		1770 ± 100
Recommended Power Supply	05-LPM-901-045 (AC)	05-LPM-804-045 (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.

