

4 mW 632.8nm (RED) HELIUM NEON LASER MODEL: 05-LHR-141

| OUTPUT SPECIFICATIONS | |
|---|-------------------------|
| CW Power Output (mW) | > 4.0 |
| Wavelength (nm) | 632.8 |
| Transverse Mode | > 90% TEM ₀₀ |
| Polarization | Random |
| Beam Diameter at 1/e ² Points | 0.80 ± 5% |
| Beam Divergence (mrad) | 1.00 ± 5% |
| Longitudinal Mode Spacing (MHz) | 438 |
| Mode Sweeping | < 2% |
| 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) | | 2310 ± 100 |
| Recommended Power Supply | 05-LPM-902-065 (AC) | 05-LPM-820-065 (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.

