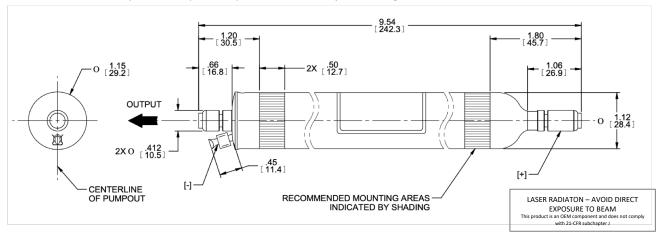


3 mW 632.8nm (RED) HELIUM NEON LASER MODEL: 05-LHR-092

OUTPUT SPECIFICATIONS		
CW Power Output (mW)		> 3.0
Wavelength (nm)		632.8
Transverse Mode		> 90% TEM ₀₀
Polarization		Random
Beam Diameter at 1/e ² Points		0.63 ± 5%
Beam Divergence (mrad)		1.40 ± 5%
Longitudinal Mode Spacing (MHz)		641
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 Position Drift From Cold Start (mrad)		> 0.10
Beam Position Drift After 15 Minute Warmup (mrad)		> 0.05
ELECTRICAL SPECIFICATIONS		
Start Voltage (kVdc)		< 8
Recommended Operating Current (mA)		4.5 ± 0.2
Operating Voltage (VDC)		1820 ± 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%

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



< 1 for < 11 msec

Dimensions in Inches (mm)

Mechanical Shock (g)

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< 25 for < 11 msec < 100 for < 1 msec