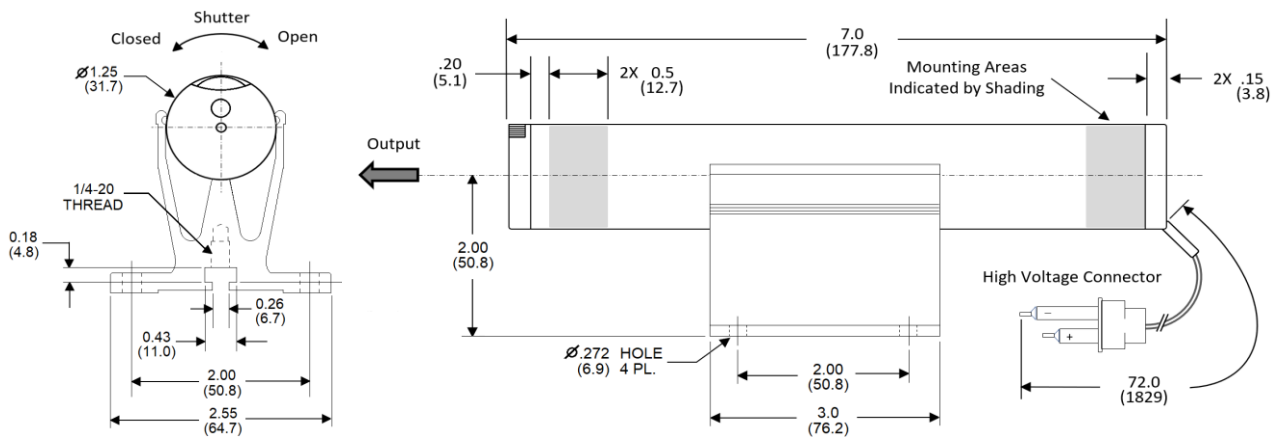


0.5 mW SELF-CONTAINED RED HELIUM NEON LASER MODEL: N-LLR-811

OUTPUT SPECIFICATIONS		
CW Power Output (mW)		0.5 min 0.95 max
Wavelength (nm)		632.8
Transverse Mode		> 90% TEM ₀₀
Polarization		Random
Beam Diameter at 1/e ² Points		0.46 ± 5%
Beam Divergence (mrad)		1.77 ± 5%
Longitudinal Mode Spacing (MHz)		1063
Mode Sweeping		< 10%
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)		4.0 ± 0.2
Operating Voltage (VDC)		1320 ± 100
AGENCY CERTIFICATION AND CLASSIFICATION		CDRH Class II / IEC Class 2
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.



Dimensions in Inches (mm)

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Rev 6.20.3

LABORATORY HELIUM NEON LASER POWER SUPPLY

INPUT SPECIFICATIONS

Voltage (VDC)	10 to 14
Current (A)	1 to 2

OUTPUT SPECIFICATIONS

Sustaining Voltage (VDC)	1100 to 1800
Start Voltage (kVDC)	> 8
Current Setting (mA)	4.0 ± 0.2
Power (W)	< 6
Current Ripple (% Peak to Peak)	< 2.0
Current Ripple (% RMS)	< 0.71
Time Delay (Seconds)	3 to 7

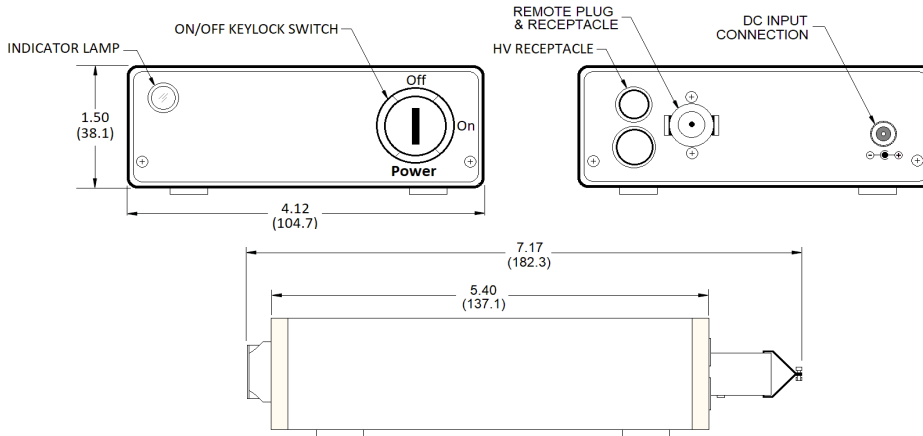
ENVIRONMENTAL SPECIFICATIONS

OPERATING

NON-OPERATING

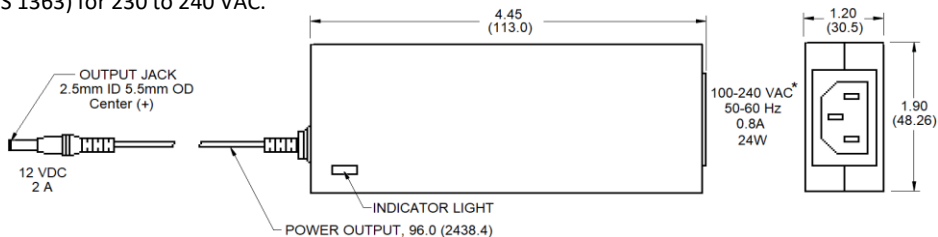
Temperature (°C)	-20 to +40	-40 to +80
Altitude (meters)	0 to 3000	0 to ∞
Relative Humidity (% non-condensing)	0 to 99%	0 to 99%
Mechanical Shock (g)	< 50 for < 11 msec	< 50 for < 11 msec < 100 for < 1 msec

Specifications are subject to change without notice.



AC ADAPTER

*Please specify AC power cord plug type: NEMA 5-15P for 100 to 120 VAC, Europlug (CEE7/4) for 220 TO 230 VAC, or British Standard (BS 1363) for 230 to 240 VAC.



Dimensions in Inches (mm)
Reference Dimensions Only

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