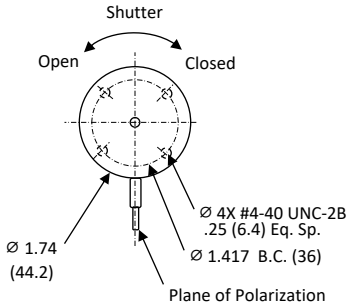
1.5 mW 543.5 nm (GREEN) HELIUM NEON LASER SYSTEM
MODEL: N-LGP-393

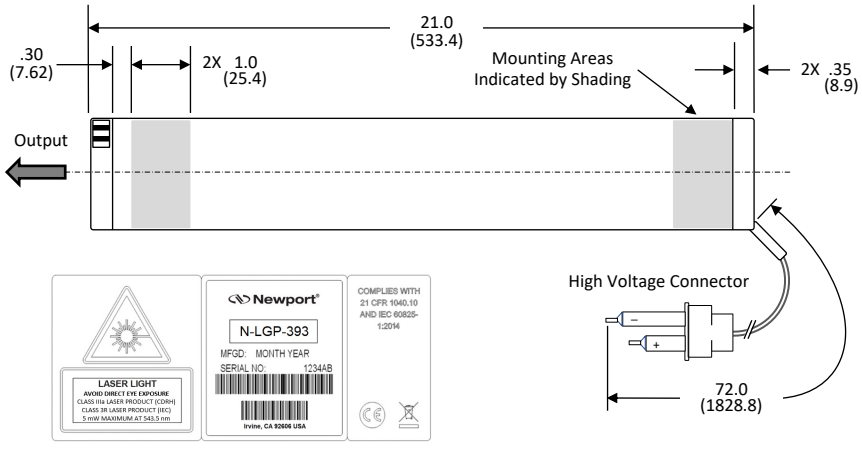
OUTPUT SPECIFICATIONS	
CW Power Output (mW)	> 1.50
Wavelength (nm)	543.5
Transverse Mode	> 95% TEM_{00}
Polarization	Linear >500:1
Beam Diameter at $1/e^2$ Points (mm)	0.86 ± 5%
Beam Divergence (mrad)	0.81 ± 5%
Longitudinal Mode Spacing (MHz)	320
Mode Sweeping	< 5%
Long Term Power Drift (8 hrs)	< 5%
Amplitude Noise, 30 Hz to 30 MHz (peak-to-peak)	< 2.8%
Warmup to > 95% of Maximum Power (minutes)	< 15
Beam Concentricity with Respect to Housing (mm)	± 0.25
Beam Parallelism with Respect to Housing (mrad)	< 1

ELECTRICAL SPECIFICATIONS	
Start Voltage (kVdc)	< 10
Recommended Operating Current (mA)	6.5 ± 0.2
Operating Voltage (VDC)	2700 ± 100

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

Specifications are subject to change without notice.





Dimensions in Inches (mm)

Rev 5.3.23

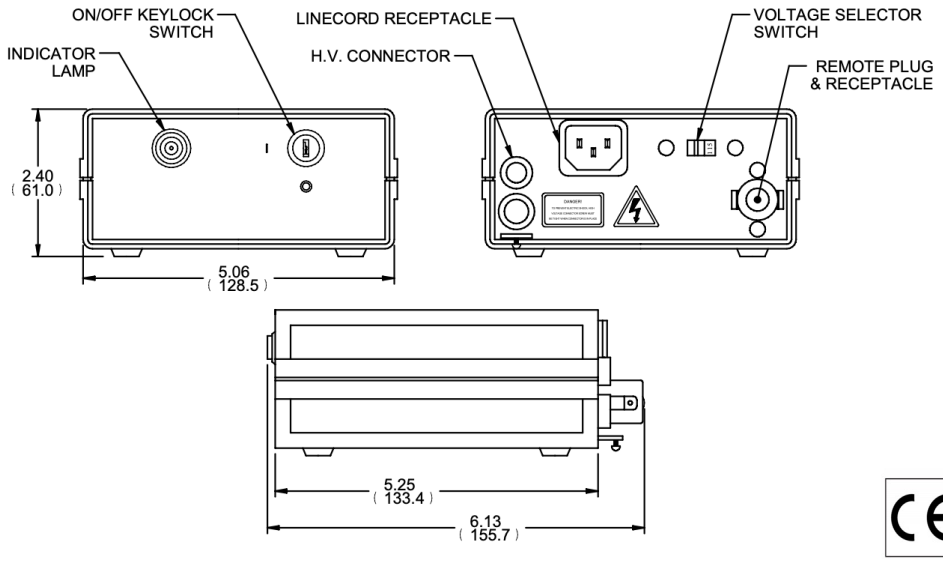
LABORATORY HELIUM NEON LASER POWER SUPPLY

INPUT SPECIFICATIONS	
Voltage (VAC)*	100 to 240
Line Frequency (Hz)	50 to 60
Current (A)	0.46 at 100VAC, 0.20 at 240VAC

OUTPUT SPECIFICATIONS	
Sustaining Voltage (VDC)	2400 to 3200
Start Voltage (kVDC)	>10
Current Setting (mA)	6.5 ± 0.2
Power (W)	< 21.4
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.
*Please specify AC power cord plug type: JIS 8303 for 100 VAC, NEMA 5-15P for 120 VAC, Europlug (CEE7/4) for 230 VAC, or British Standard (BS 1363) for 230 to 240 VAC.



Dimensions in Inches (mm)
Reference Dimensions Only