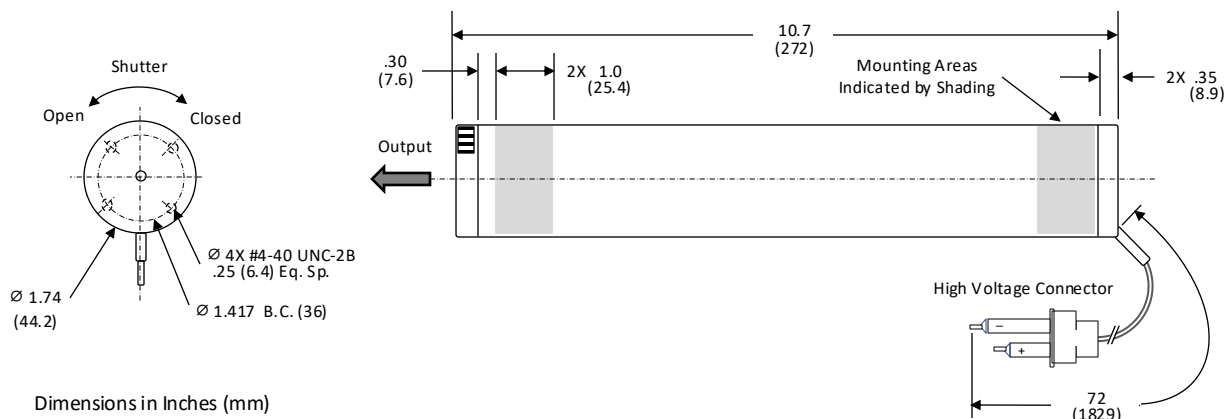


2.0 mW 632.8 nm (RED) HeNe LASER SYSTEM

MODEL: 25-LHR-121

LASER OUTPUT SPECIFICATIONS		
Minimum CW Power Output (mW)		2.0
Wavelength (nm)		632.8
Transverse Mode		> 90% TEM ₀₀
Polarization		Random
Beam Diameter at 1/e ² Points (mm)		0.59 ± 5%
Beam Divergence (mrad)		1.35 ± 5%
Longitudinal Mode Spacing (MHz)		687
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)		± 0.1
Beam Parallelism with Respect to Housing (mrad)		< 0.5
LASER ELECTRICAL SPECIFICATIONS		
Start Voltage (kVdc)		≤ 10
Recommended Operating Current (mA)		6.5 ± 0.2
Operating Voltage (VDC)		1790 ± 100
Power Supply (Included)		Model 06-LPL-900-065
SYSTEM 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 90	0 to 99
Mechanical Shock (g)	< 25 for < 11 msec < 100 for < 1 msec	< 25 for < 11 msec < 100 for < 1 msec

LASER DIMENSIONS



2.0 mW 632.8 nm (RED) HeNe LASER SYSTEM

MODEL: 25-LHR-121

POWER SUPPLY INPUT SPECIFICATIONS

Voltage (VAC)	100 to 120 or 230 to 264
Line Frequency (Hz)	50 or 60
Current (A)	0.23 at 115 VAC / 0.12 at 230 VAC

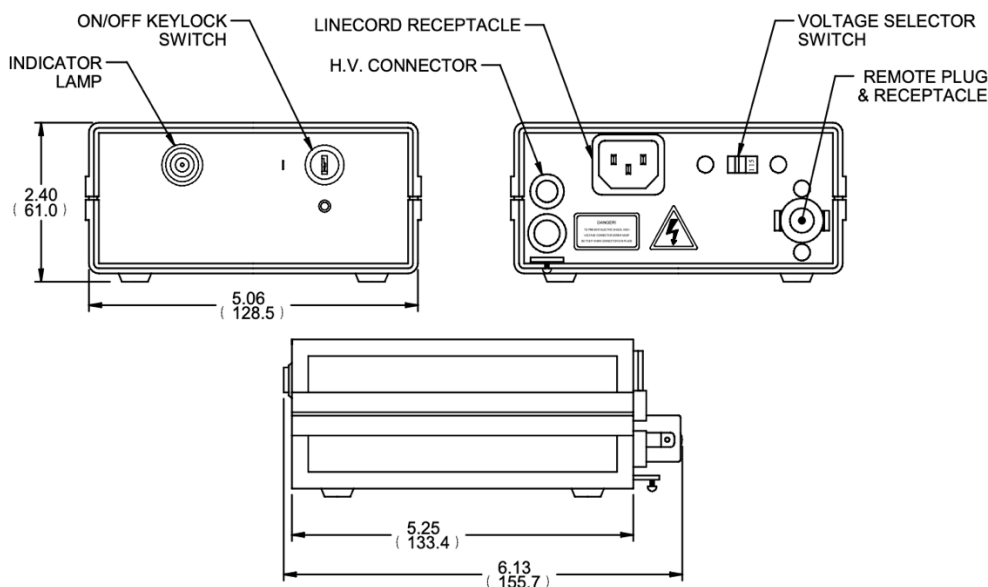
POWER SUPPLY OUTPUT SPECIFICATIONS

Sustaining Voltage (VDC)	1300 to 1900
Start Voltage (kVDC)	≥ 8
Current Setting (mA)	6.5 ± 0.2
Power (W)	< 12.74
Current Ripple (% Peak to Peak)	< 2.0
Current Ripple (% RMS)	< 0.71
Leakage Current (mA)	< 5.0
Ground Resistance (Ohms)	0.1
Input-Output Isolation (VAC)	1000
Time Delay (Seconds)	3 to 5

Specifications are subject to change without notice.

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

POWER SUPPLY DIMENSIONS



Dimensions in Inches (mm)
Reference Dimensions Only

2.0 mW 632.8 nm (RED) HeNe LASER SYSTEM

MODEL: 25-LHR-121

LASER CLASSIFICATION

US 21 CFR 1040.10	Class IIIa
IEC 60825-1:2014	Class 3R
US FDA Accession Number	8010237

REGULATORY COMPLIANCE

Laser Safety	IEC 60825-1:2014
Electrical Safety	IEC 61010-1:2010 + A1
Certifying Body	TUV Rheinland
RoHS 3	EU 2015/863
Product Markings	cTUVus, CE, UKCA, WEEE

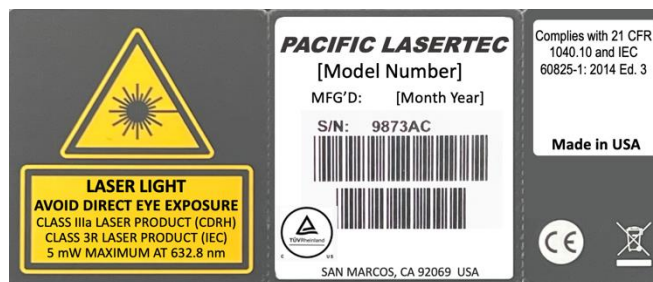
EXPORT INFORMATION

LASER

POWER SUPPLY

ECCN	EAR99	EAR99
HTTS	9013.20.0000	8504.40.9510
Country of Origin	United States	United States

THESE PRODUCTS ARE SOLD IN ACCORDANCE WITH UNITED STATES EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAWS IS PROHIBITED.



Product Labeling

Information contained herein is for reference only and subject to change without notice.