

TECHNICAL DATA

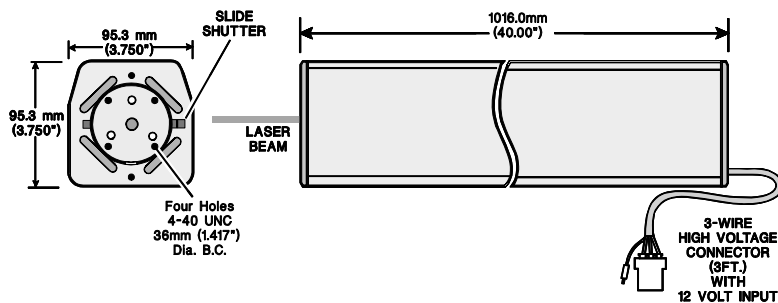
LSRP-3501

HELIUM-NEON LASER SYSTEM

Wavelength	633 nm
Minimum Output Power	35.0 mW
Power 3 Seconds After Turn-On	> 75%
Polarization	Linear > 500:1
Mode Structure	TEM ₀₀ > 99%
Beam Diameter	1.22 mm
Beam Divergence	0.66 mrad
Longitudinal Mode Spacing	163 MHz
Beam Drift After 20 Minute Warm-Up	< 0.2 mrad
Long Term Beam Drift	< 0.05 mrad
Noise (30 Hz - 10 MHz)	< 1% rms
Starting Voltage	< 10 kVDC
Operating Voltage	3200 VDC
Series Resistors in Housing	94 K Ω
Input Voltage	115/230 VAC (Customer Specified)
Operating Current	9.00 mA
Shock	15 g for 11 msec
Weight	5400 grams
Dimensions	
Length	1020.0 \pm 2.0 mm (40.16 \pm 0.08")
Diameter	95.3 \pm 0.5 mm square (3.75 \pm 0.02")
Maximum Output Power	50.0 mW
CDRH Classification	IIIb

ENVIRONMENTAL SPECIFICATIONS

	<u>Operating</u>	<u>Non-Operating</u>
Temperature	-20 - +70° C	-40 - +80° C
Humidity	≤ 80%	≤ 95%
Altitude	0-3,000 meters	0-6,000 meters



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