

TECHNICAL DATA

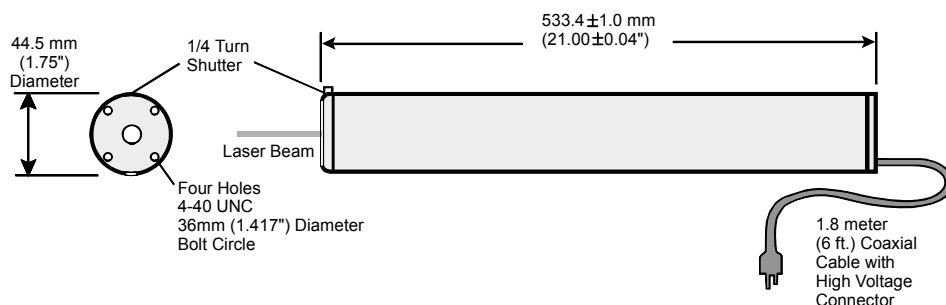
LHGP-0101

CYLINDRICAL HELIUM-NEON LASER HEAD

Wavelength	543 nm
Minimum Output Power	1.0 mW
Power 3 Seconds After Turn-On	> 75%
Polarization	Linear > 500:1
Mode Structure	TEM ₀₀ > 99%
Beam Diameter	0.83 mm
Beam Divergence	0.84 mrad
Longitudinal Mode Spacing	303 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 KΩ
Operating Current	5.25 mA
Shock	15 g for 11 msec
Weight	750 grams
Dimensions	
Length	533.4±1.0 mm (21.00±0.04")
Diameter	44.5±0.5 mm (1.75±0.02")
Maximum Output Power	5.0 mW
CDRH Classification	IIIa
Recommended Power Supply	LPS-H1 or CPS-H1

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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