

TECHNICAL DATA

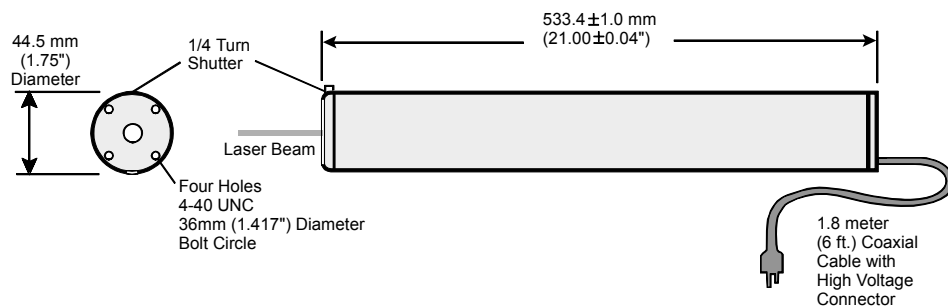
LHIP-0101-152

CYLINDRICAL HELIUM-NEON LASER HEAD

Wavelength	1.52 μ m
Minimum Output Power	1.0 mW
Power 3 Seconds After Turn-On	> 75%
Polarization	Linear >500:1
Mode Structure	TEM ₀₀ > 99%
Beam Diameter	1.36 mm
Beam Divergence	1.43 mrad
Longitudinal Mode Spacing	316 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	2800 VDC
Series Resistors in Housing	94 K Ω
Operating Current	6.50 mA
Shock	15 g for 11 msec
Weight	750 grams
Dimensions	
Length	533.4 \pm 1.0 mm (21.00 \pm 0.04")
Diameter	44.5 \pm 0.5 mm (1.75 \pm 0.02")
Maximum Output Power	2.0 mW
CDRH Classification	IIIb
Recommended Power Supply	LPS-H1 or CPS-H1

ENVIRONMENTAL SPECIFICATIONS

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



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