

TECHNICAL DATA

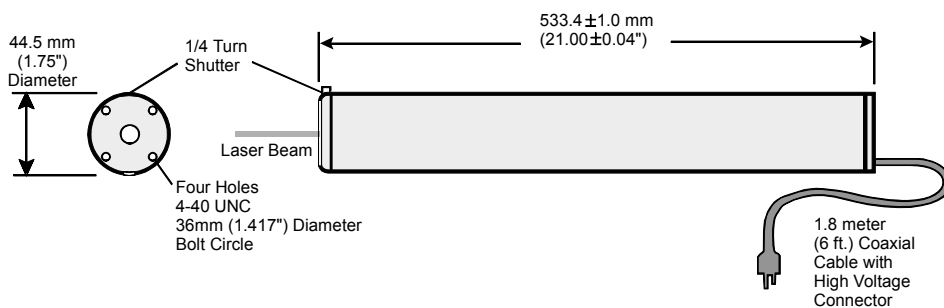
LHGR-0200M

CYLINDRICAL HELIUM-NEON LASER HEAD

Wavelength	543 nm
Minimum Output Power	2.0 mW
Power 3 Seconds After Turn-On	> 75%
Polarization	Random
Mode Structure	Multimode
Beam Diameter	≈2.58 mm
Beam Divergence	≈4.68 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	2500 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 or CPS

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



Research Electro Optics, Inc.
5505 Airport Boulevard Boulder, Colorado 80301
 Phone - (303) 938-1960 Fax - (303) 447-3279