

TECHNICAL DATA

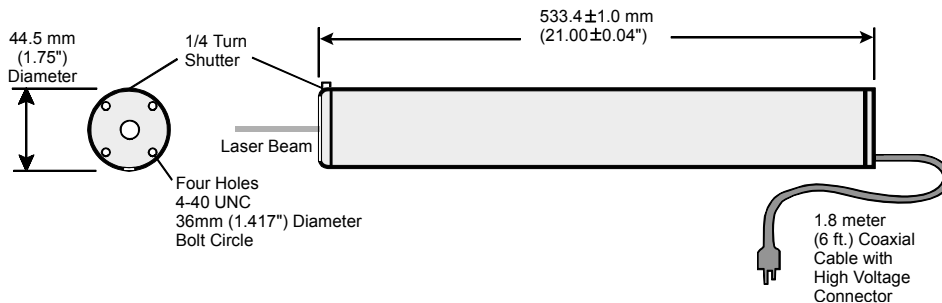
LHRP-1201

CYLINDRICAL HELIUM-NEON LASER HEAD

| | |
|------------------------------------|----------------------------|
| Wavelength | 633 nm |
| Minimum Output Power | 12.0 mW |
| Power 3 Seconds After Turn-On | > 75% |
| Polarization | Linear > 500:1 |
| Mode Structure | TEM ₀₀ > 99% |
| Beam Diameter | 0.88 mm |
| Beam Divergence | 0.92 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 | 3000 VDC |
| Series Resistors in Housing | 94 KΩ |
| Operating Current | 6.50 mA |
| Shock | 15 g for 11 msec |
| Weight | 750 grams |
| Dimensions | |
| Length | 533.2±1.0 mm (21.00±0.04") |
| Diameter | 44.5±0.5 mm (1.75±0.02") |
| Maximum Output Power | 15.0 mW |
| CDRH Classification | IIIb |
| 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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