

# TECHNICAL DATA

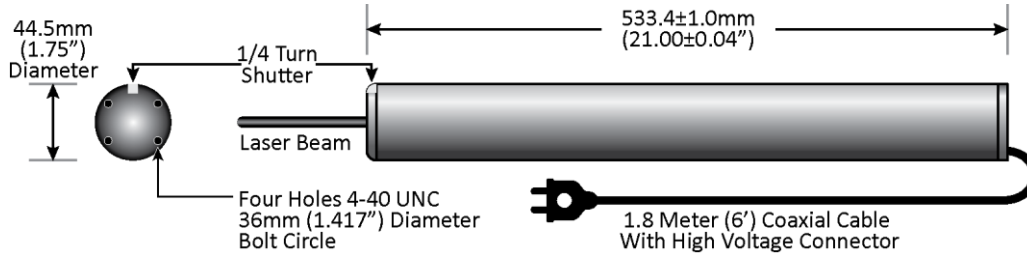
## 30972

### CYLINDRICAL HELIUM-NEON LASER SYSTEM

Wavelength	543 nm
Minimum Output Power	2.0 mW
Power 3 Seconds After Turn-On	> 75%
Polarization	Random
Mode Structure	TEM <sub>00</sub> > 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	3100 VDC
Series Resistors in Housing	94 KΩ
Operating Current	5.25 mA
Shock	15 g for 11 msec
Laser Head Weight	750 grams
Dimensions	
Length	533.4±1.0 mm (21.00±0.04")
Diameter	44.2±0.5 mm (1.74±0.02")
Maximum Output Power	5.0 mW
CRDH/CE Classification	IIIa/3R
Recommended Power Supply	39784
Replacement Laser Head	30609

## ENVIRONMENTAL SPECIFICATIONS

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



**5505 Airport Boulevard Boulder, Colorado 80301**

Phone - (303) 938-1960 Fax - (303) 447-3279