


# TECHNICAL DATA

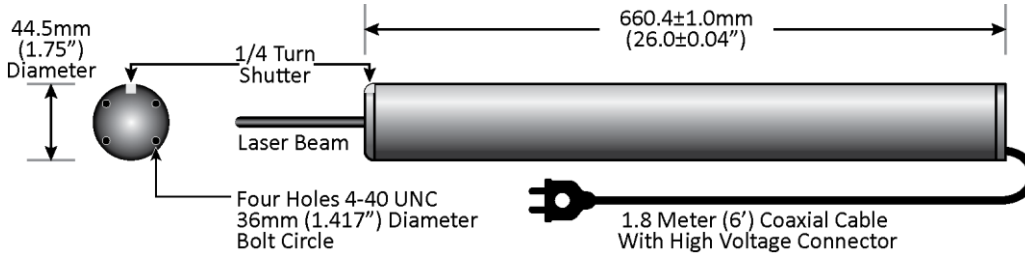
## 39635

### CYLINDRICAL HELIUM-NEON LASER SYSTEM

Wavelength	633 nm
Minimum Output Power	17 mW
Power 3 Seconds After Turn-On	> 75%
Polarization	Random
Mode Structure	TEM <sub>00</sub> > 99%
Beam Diameter	0.98 mm
Beam Divergence	0.82mrad
Longitudinal Mode Spacing	252 MHz
Beam Drift After 20 Minute Warm-Up	< 0.15 mrad
Long Term Beam Drift	< 0.04 mrad
Noise (30 Hz - 10 MHz)	< 1% rms
Starting Voltage	< 10 kVDC
Operating Voltage	3500 VDC
Series Resistors in Housing	94 KΩ
Operating Current	7.0 mA
Shock	15 g for 11 msec
Laser Head Weight	840 grams
Dimensions	
Length	660.4±1.0 mm (26.0±0.04")
Diameter	44.5±0.5 mm (1.75±0.02")
Maximum Output Power	25.0 mW
CRDH/CE Classification	IIIb/3B
Recommended Power Supply	39786
Replacement Laser Head	30635

## 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	



**5505 Airport Boulevard Boulder, Colorado 80301**

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