


TECHNICAL DATA

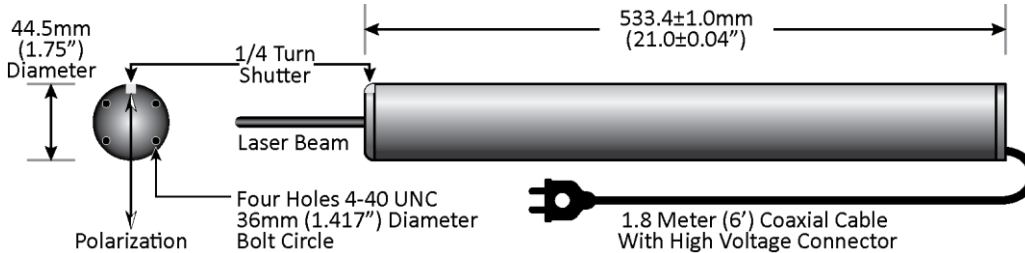
33141

CYLINDRICAL HELIUM-NEON LASER SYSTEM

Wavelength	1523 nm
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	1.43mrad
Longitudinal Mode Spacing	316 MHz
Beam Drift After 20 Minute Warm-Up	< 0.15 mrad
Long Term Beam Drift	< 0.02 mrad
Noise (30 Hz - 10 MHz)	< 5% rms
Starting Voltage	< 10 kVDC
Operating Voltage	2800 VDC
Series Resistors in Housing	94 KΩ
Operating Current	6.5 mA
Shock	15 g for 11 msec
Laser Head Weight	853 grams
Dimensions	
Length	533.4±1.0 mm (21±0.04")
Diameter	44.5±0.5 mm (1.75±0.02")
Maximum Output Power	2.0 mW
CRDH/CE Classification	IIIb/3B
Recommended Power Supply	32882
Replacement Laser Head	30542

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