


TECHNICAL DATA

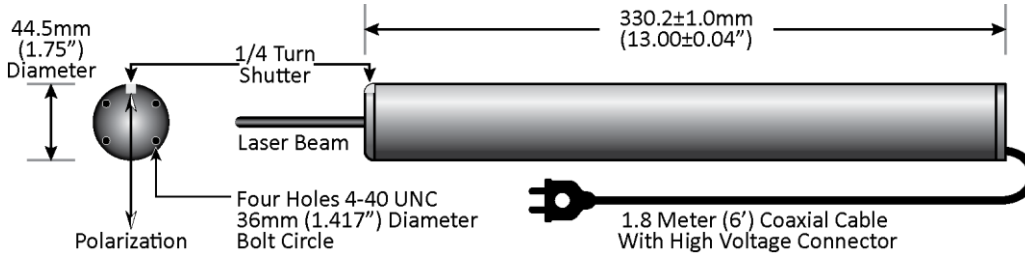
40141

CYLINDRICAL HELIUM-NEON LASER SYSTEM

Wavelength	543 nm
Minimum Output Power	0.5 mW
Power 3 Seconds After Turn-On	> 75%
Polarization	Linear > 500:1
Mode Structure	Multimode
Beam Diameter	1.62 mm
Beam Divergence	4.02mrad
Longitudinal Mode Spacing	566 MHz
Beam Drift After 20 Minute Warm-Up	< 0.15 mrad
Long Term Beam Drift	< 0.02 mrad
Noise (30 Hz - 10 MHz)	< 1% rms
Starting Voltage	< 10 kVDC
Operating Voltage	1800 VDC
Series Resistors in Housing	94 K Ω
Operating Current	5.25 mA
Shock	15 g for 11 msec
Laser Head Weight	600 grams
Dimensions	
Length	330.2 \pm 1.0 mm (13.00 \pm 0.04")
Diameter	44.5 \pm 0.5 mm (1.75 \pm 0.02")
Maximum Output Power	1.0 mW
CRDH/CE Classification	IIIa/3R
Recommended Power Supply	39783
Replacement Laser Head	30638

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	



REO PATENT NUMBER : 6,567,456



5505 Airport Boulevard Boulder, Colorado 80301

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