

## TECHNICAL DATA

**39727**

### STABILIZED HELIUM-NEON LASER SYSTEM

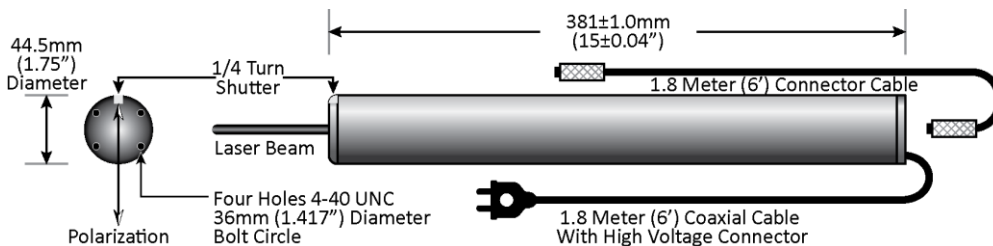
Wavelength	633 nm
Minimum Output Power	1.2 mW
Polarization	Linear > 500:1
Mode Structure	TEM <sub>00</sub> > 99%
Beam Diameter	0.7 mm
Beam Divergence	1.2mrad
<b>Frequency Stabilized Mode</b>	
Frequency Stability	
1 Minute	± 1 MHz
1 Hour	± 1 MHz
8 Hours	± 2 MHz
Intensity Stability	± 1%
Frequency Shift w/Temperature	< 2 MHz /°C
<b>Intensity Stabilized Mode</b>	
Intensity Stability	
1 Minute	± 0.1%
1 Hour	± 0.2%
Frequency Stability	
1 Minute	± 3 MHz
1 Hour	± 5 MHz
<b>General</b>	
Temperature Range to Maintain Lock Operation	15°C - 30°C
Time to Lock	<30 minutes
Power Input	115/230 VAC
Power Consumption	<40 W
Max Output Power	3 mW
<b>Dimensions</b>	
Length	381.0±1.0 mm (15.0±0.04")
Diameter	44.5±0.5 mm (1.75±0.02")
Maximum Output Power	3 mW
CRDH/IEC Classification	IIIa/3R
Recommended Power Supply	32733
Replacement Laser Head	39728

## ENVIRONMENTAL SPECIFICATIONS

	<u>Operating</u>	<u>Non-Operating</u>
Temperature	19 - 30° C	-40 - +80° C
Humidity	≤ 15%	≤ 90%
Altitude	0-3,000 meters	0-6,000 meters



LASER RADIATION  
AVOID DIRECT EXPOSURE  
TO BEAM



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