

## TECHNICAL DATA

**14286**

### OEM STABILIZED HELIUM-NEON LASER SYSTEM

Wavelength	633 nm
Minimum Output Power	1.5 mW
Power 3 Seconds After Turn-On	> 75%
Polarization	Linear > 500:1
Mode Structure	TEM <sub>00</sub> > 99%

**FREQUENCY STABILIZED MODE**

Frequency Shift with Temperature	<2MHz/°C
Frequency Stability	
1 Minute	±1 MHz
1 Hour	±1 MHz
8 Hours	±2 MHz
Intensity Stability	±1%

**INTENSITY STABILIZED MODE**

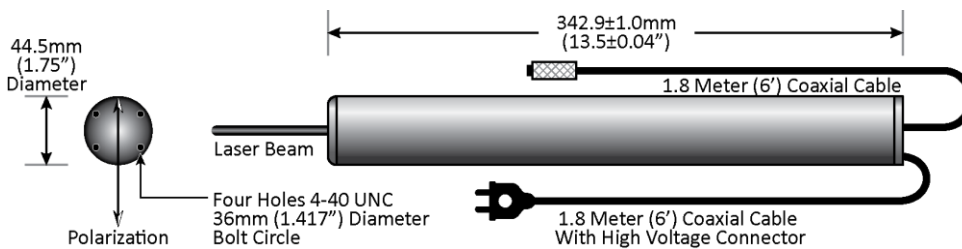
Intensity Stability	
1 Minute	±0.1%
1 Hour	±0.2%

**GENERAL**

Temperature Range to Maintain Lock (Operating)	15°C-30°C
Time to Lock	<30 Minutes
Dimensions	
Length	342.9±1.0mm (13.5±0.04")
Diameter	44.5±0.5mm (1.75±0.02")
Control Card	101.2mm W x 120.7mm ThL x 25.4mm H
HV Power Supply	38mm W x 25.4mm H x 100 L
CDRH/CE Classification	IIIa/3R
Electrical Input	24 VDC
Wattage	>40 W

## 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 : 7,787,505



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