

TECHNICAL DATA

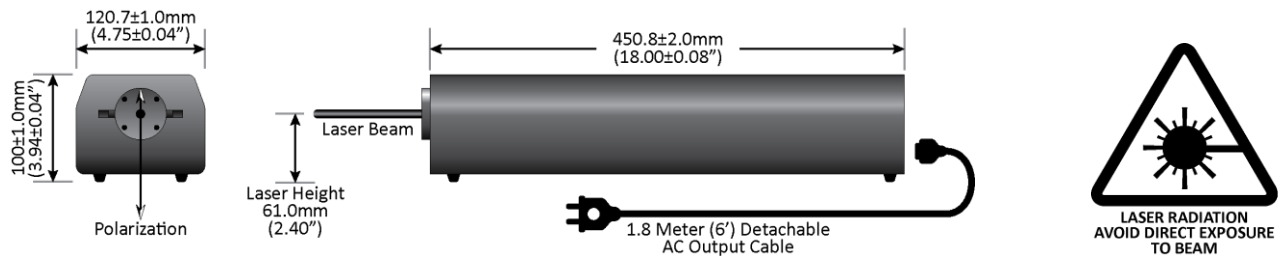
30602

LINE TUNABLE HELIUM-NEON LASER SYSTEM

Wavelength	633/612/604/594/543 nm
Minimum Output Power	4.0/2.5/0.5/0.6/0.3 mW
Power 3 Seconds After Turn-On	> 75%
Polarization	Linear > 500 :1
Mode Structure	TEM ₀₀ > 99%
Beam Diameter	0.77/0.76/0.75/0.74/0.71 mm
Beam Divergence	1.05/1.03/1.02/1.02/0.97 mrad
Longitudinal Mode Spacing	428 MHz
Beam Drift After 20 Minute Warm-Up	< 0.2 mrad
Long Term Beam Drift	< 0.05 mrad
Noise (30 Hz - 10 MHz)	< 1% rms
Starting Voltage	< 10 kVDC
Operating Voltage	2200 VDC
Series Resistors in Housing	94 KΩ
Operating Current	5.25 mA
Shock	15 g for 11 msec
Weight	5000 grams
Dimensions	
Length	450.8±2.0 mm (18.00±0.08")
Height	100.0±1.0 mm (3.94±0.04")
Width	120.7±1.0 mm (4.75±0.04")
Maximum Output Power	10 mW
CRDH	IIIb
AC Input	115 VAC

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



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