


# TECHNICAL DATA

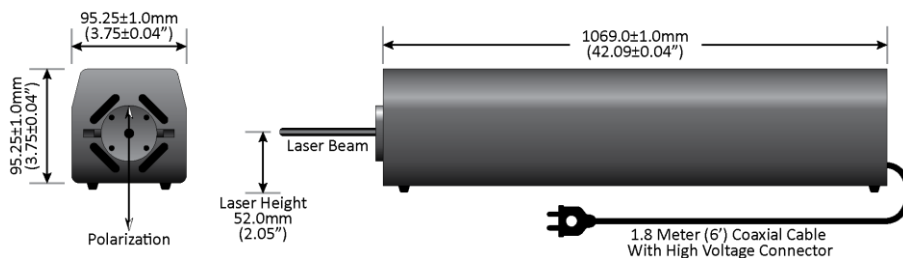
## 16194

### HELIUM-NEON LASER SYSTEM

Wavelength	633 nm
Minimum Output Power	30.0 mW
Power 3 Seconds After Turn-On	> 75%
Polarization	Linear > 500:1
Mode Structure	TEM <sub>00</sub> > 99%
Beam Diameter	1.22 mm
Beam Divergence	0.66 mrad
Longitudinal Mode Spacing	163 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	3200 VDC
Series Resistors in Housing	(2) 188 KΩ
Operating Current	(2) 9.00 mA
Shock	15 g for 11 msec
Weight	6939 grams
Dimensions	
Length	1069.0±1.0 mm (42.09±0.04")
Height	95.25±1.0 mm (3.75±0.04")
Width	95.25±1.0 mm (3.75±0.04")
Maximum Output Power	50.0 mW
CRDH/CE Classification	IIIb/3B
Power Supply is Self-Contained	<85W Input

## ENVIRONMENTAL SPECIFICATIONS

Temperature	<u>Operating</u> -20 - +70° C	<u>Non-Operating</u> -40 - +80° C	
Humidity	≤ 80%	≤ 95%	
Altitude	0-3,000 meters	0-6,000 meters	



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