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Model 1122P, 2mW Linear Polarization, Lumentum HeNe Laser



Lumentum High Performance Helium-Neon Lasers



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+

€1.365⁰⁰

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Product Downloads



General	
10	Warm-Up Time (minutes):
Lumentum	Manufacturer:
HeNe	Type of Laser:

IIIa		Laser Class - CDRH:	
1122P		Model Number:	
Physical & Mechanical Properties			
Pointing Stability after Warm Up (mrad/°C): After 15 min: <0.02			
0.92		Weight (lbs):	
10.71		Length of Laser Head (inches):	
Centered to Outer Cylinder: ±0.01" Parallel to Outer Cylinder: ±1.0 mrad		Static Alignment:	
From Cold Start, 25°: <0.1		Pointing Stability (mrad/°C):	
1.74		Diameter of Laser Head (inches):	
Optical Properties			
500:1		Polarization:	
TEM ₀₀		Spatial Mode:	
632.80		Wavelength (nm):	
±3		Beam Diameter Tolerance (%):	
±3		Beam Divergence Tolerance (%):	
Mean Power over 8 hrs: ±2.5		Maximum Drift:	
0.63		Beam Diameter (mm):	
1.30		Beam Divergence (mrad):	
Red		Color:	
>95%		Mode Purity (TEM ₀₀):	
Electrical			
2		Output Power (mW):	
30 Hz - 10 MHz 0.1%		RMS Noise:	
730		Longitudinal Mode Spacing, Nominal (MHz):	
2.0		Minimum Output Power, TEM ₀₀ (mW):	
Hardware & Interface Connectivity			
#11-384 (12VDC), #11-385 (24VDC), #11-389 (110/220VAC)		Power Supply:	
Free Space		Output Type:	
Environmental & Durability Factors			
-40 to +70		Operating Temperature (°C):	
0 to 100%, non-condensing		Operating Humidity:	
-40 to +150		Storage Temperature (°C):	
Regulatory Compliance			
Compliant		RoHS 2015:	
View		Certificate of Conformance:	
Compliant		REACH 241:	

Product Details

110V or 220V power supplies sold separately. These HeNe lasers comply with 21CFR1040 and IEC 825-1:1993.

- Power Options from 0.5 - 22.5mW
- Improved Stability
- Ideal for Interferometry and Metrology Applications
- Random or Linear Polarization Options

Lumentum High Performance Helium-Neon Lasers feature a patented close-cathode design that provides improved thermal and power stability. They also utilize a patented field concentrator design that enables fast turn-on. These Lumentum HeNe lasers also feature precisely aligned cylindrical housings, with cylindrical laser heads and electrical interconnect systems used to simplify system integration. Lumentum High Performance Helium-Neon Lasers' rugged design is ideal for even the most demanding applications. They are exemplary for use within interferometry and metrology applications.

Note: Please exercise caution when using a user-provided power supply to not exceed the electrical specifications of the laser as this may cause damage and void the warranty. These HeNe lasers comply with 21CFR1040 and IEC 825-1:1993. Lumentum was previously known as JDSU.

Technical Information

Beam Expander Mounting Configurations

Click on an item below to be brought to that item's product page.

