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Model 1108, 0.5mW Random Polarization, Lumentum HeNe Laser



Lumentum High Performance Helium-Neon Lasers



Stock #62-714 **CLEARANCE** 4 In Stock

⊖ 1 ⊕ €935.⁰⁰

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General

10 Warm-Up Time (minutes):

Lumentum Manufacturer:

HeNe Type of Laser:

II Laser Class - CDRH:

1108 Model Number:

Physical & Mechanical Properties

N/A Pointing Stability after Warm Up (mrad/°C):

0.46 Weight (lbs):

7.00 Length of Laser Head (inches):

Static Alignment:
Centered to Outer Cylinder: ±0.01"
Parallel to Outer Cylinder: ±1.0 mrad

N/A Pointing Stability (mrad/°C):

1.245 Diameter of Laser Head (inches):

Optical Properties

Random Polarization:

TEM₀₀ Spatial Mode:

632.80 Wavelength (nm):

±3 Beam Diameter Tolerance (%):

±3 Beam Divergence Tolerance (%):

Mean Power over 8 hrs: ±2.5 Maximum Drift:

0.48 Beam Diameter (mm):

1.80 Beam Divergence (mrad):

Red Color:

>95% Mode Purity (TEM₀₀):

Electrical

0.5 Output Power (mW):

30 Hz - 10 MHz 0.1% RMS Noise:

1090 Longitudinal Mode Spacing, Nominal (MHz):

0.5 Minimum Output Power, TEM₀₀ (mW):

Hardware & Interface Connectivity

Power Supply:
[#11-379](#) (110/220VAC), [#11-382](#) (12VDC), [#11-383](#) (24VDC), [#11-386](#) (110/220VAC)

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.

