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Model 1144, 15mW Random Polarization, Lumentum HeNe Laser (Recertified 05-P)



Lumentum High Performance Helium-Neon Lasers



Stock #62-728-RCD-05P **RECERTIFIED** **5 In Stock**

- 1 + €2.250⁰⁰

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Product Downloads



General

20 **Warm-Up Time (minutes):**

Lumentum **Manufacturer:**

HeNe **Type of Laser:**

IIIb	Laser Class - CDRH:
1144	Model Number:
Physical & Mechanical Properties	
2.6	Weight (lbs):
25.00	Length of Laser Head (inches):
Static Alignment: Centered to Outer Cylinder: $\pm 0.01''$ Parallel to Outer Cylinder: ± 1.0 mrad	
	Pointing Stability (mrad/°C): After 15 min.: < 0.3 From Cold Start, 25°: < 0.2
1.74	Diameter of Laser Head (inches):
Optical Properties	
Random	Polarization:
TEM ₀₀	Spatial Mode:
632.80	Wavelength (nm):
± 3	Beam Diameter Tolerance (%):
± 3	Beam Divergence Tolerance (%):
Mean Power over 8 hrs: ± 2	Maximum Drift:
0.70	Beam Diameter (mm):
1.15	Beam Divergence (mrad):
Red	Color:
$> 95\%$	Mode Purity (TEM₀₀):
Electrical	
15	Output Power (mW):
30 Hz - 10 MHz 0.5%	RMS Noise:
257	Longitudinal Mode Spacing, Nominal (MHz):
15.0	Minimum Output Power, TEM₀₀ (mW):
Hardware & Interface Connectivity	
#11-391 (110/220V AC)	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	
View	Certificate of Conformance:

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.

