

Model 1144, 15mW Random Polarization, Lumentum HeNe Laser



Lumentum High Performance Helium-Neon Lasers



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A\$3,816.00

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Operating Temperature (°C):
-40 to +70

Output Power (mW):
15

Pointing Stability after Warm Up (mrad/°C):
After 15 min.: <0.3

Polarization:
Random

Spatial Mode: TEM ₀₀
Wavelength (nm): 632.80
Weight (lbs): 2.6
Length of Laser Head (inches): 25.00
Beam Diameter Tolerance (%): ±3
Power Supply: #11-391 (110/220VAC)
Operating Humidity: 0 to 100%, non-condensing
Storage Temperature (°C): -40 to +150
Warm-Up Time (minutes): 20
Beam Divergence Tolerance (%): ±3
Static Alignment: Centered to Outer Cylinder: ±0.01" Parallel to Outer Cylinder: ±1.0 mrad
Pointing Stability (mrad/°C): From Cold Start, 25°: <0.2
Maximum Drift: Mean Power over 8 hrs: ±2
RMS Noise: 30 Hz - 10 MHz 0.5%
Beam Diameter (mm): 0.70
Manufacturer: Lumentum
Output Type: Free Space
Type of Laser: HeNe
Beam Divergence (mrad): 1.15
Laser Class - CDRH: IIIb
Color: Red
Model Number: 1144
Diameter of Laser Head (inches): 1.74
Longitudinal Mode Spacing, Nominal (MHz): 257
Minimum Output Power, TEM₀₀ (mW): 15.0
Mode Purity (TEM₀₀): >95%

Regulatory Compliance

RoHS 2015: Compliant
Reach 224: Compliant
Certificate of Conformance: View