

Model 1107, 0.8mW Random Polarization, Lumentum HeNe Laser



Lumentum High Performance Helium-Neon Lasers



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

Output Power (mW):
0.8

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

Polarization: Random
Spatial Mode: TEM ₀₀
Wavelength (nm): 632.80
Weight (lbs): 0.46
Length of Laser Head (inches): 7.00
Beam Diameter Tolerance (%): ±3
Power Supply: #11-379 (110/220V AC), #11-382 (12VDC), #11-383 (24V DC), #11-386 (110/220V AC)
Operating Humidity: 0 to 100%, non-condensing
Storage Temperature (°C): -40 to +150
Warm-Up Time (minutes): 10
Beam Divergence Tolerance (%): ±3
Static Alignment: Centered to Outer Cylinder: ±0.01" Parallel to Outer Cylinder: ±1.0 mrad
Pointing Stability (mrad/°C): N/A
Maximum Drift: Mean Power over 8 hrs: ±2.5
RMS Noise: 30 Hz - 10 MHz 0.1%
Beam Diameter (mm): 0.48
Manufacturer: Lumentum
Output Type: Free Space
Type of Laser: HeNe
Beam Divergence (mrad): 1.70
Laser Class - CDRH: IIIa
Color: Red
Model Number: 1107
Diameter of Laser Head (inches): 1.245
Longitudinal Mode Spacing, Nominal (MHz): 1090
Minimum Output Power, TEM₀₀ (mW): 0.8
Mode Purity (TEM₀₀): >95%

Regulatory Compliance

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