

nLIGHT Narrow Linewidth Seed Source | NLSS

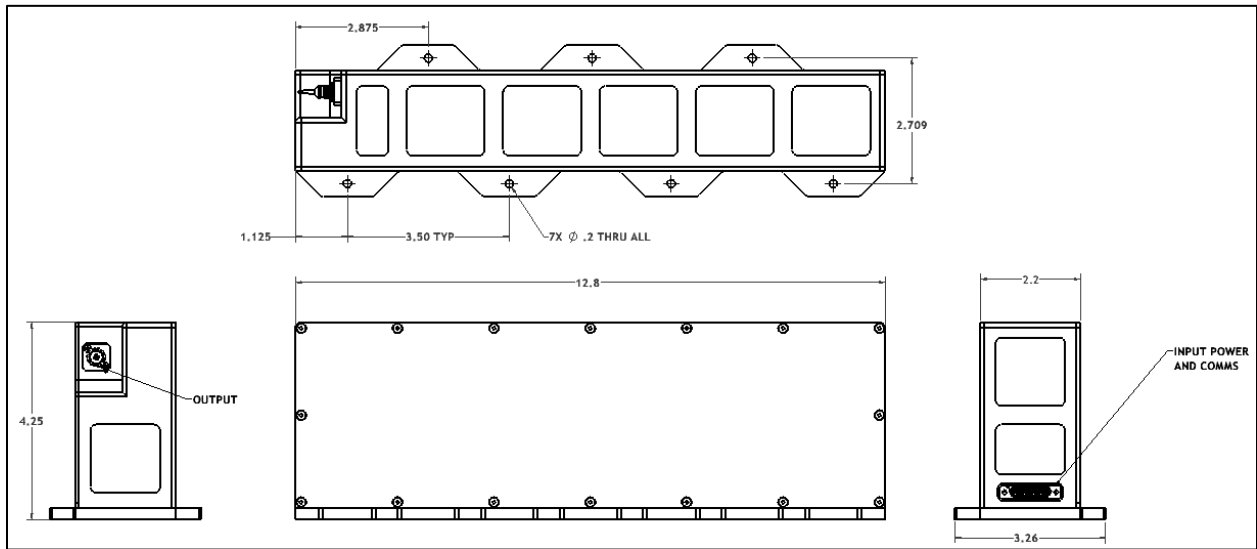


nLIGHT NLSS Specifications (Preliminary)

| Specification (Preliminary) | NLSS |
|--|--|
| Optical | |
| Output Power (Typical) | 10 mW CW |
| Maximum Linewidth ¹ | 10 to 50 GHz |
| Center Wavelength Options | 1030 to 1080 nm |
| Wavelength Set Point Resolution | 0.05 nm |
| Wavelength Adjustment Range ² | ± 1.0 nm |
| Polarization Options ³ | Fixed / Random - High DOP or Depolarized - Low DOP |
| Electrical | |
| Supply Voltage | 24 VDC |
| Current Draw | < 1.2 A |
| Control Interface | RS-485 |
| Mechanical | |
| Dimensions, W x D x H | 12.8 x 4.25 x 2.2 in ³ |
| Mass | < 1.3 kg |

1. Linewidth set at factory. White Noise Source Broadened.
2. Wavelength tunability can be achieved by changing the laser TEC (ThermoElectric Cooler) temperature and/or the laser drive current (Typical temperature coefficient: $d\lambda/dT=0.08\text{nm/K}$, current coefficient: $d\lambda/dI=0.01\text{nm/mA}$).
3. Depolarized output into SM fiber, Fixed High DOP output into PM fiber.

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Laser Safety

This laser product does NOT comply with IEC 60825-1 or 21CFR1040.10/21CFR1040.11 and is solely intended to be integrated into a laser product certified by the Purchaser. The Purchaser acknowledges their product must comply with application regulations before it can be sold to an end user.



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