

Ultra-Narrow Linewidth Laser UNLL

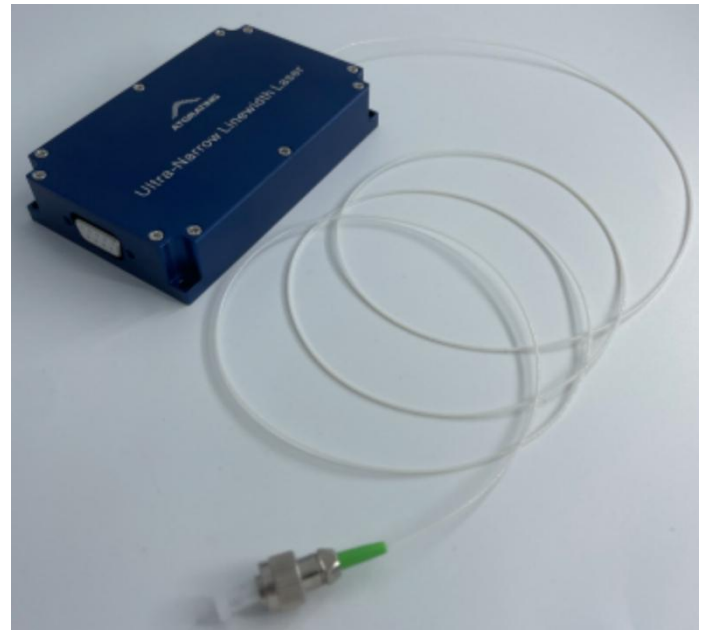
Based on external cavity laser, AtGrating Ultra-Narrow Linewidth Laser serves as single frequency laser with very low noise and high stable frequency. The packaging was designed with the highly integrated, small form factor and self-contained module. The External monitoring and control can be achieved via a RS-232 standard interface.

Key Features

- Single longitudinal mode
- Low phase noise and relative intensity noise
- Integration stability and shock insensitive
- 1535nm-1565nm, ITU-T DWDM Wavelength custom
- Telcordia GR-468 compliant

Applications

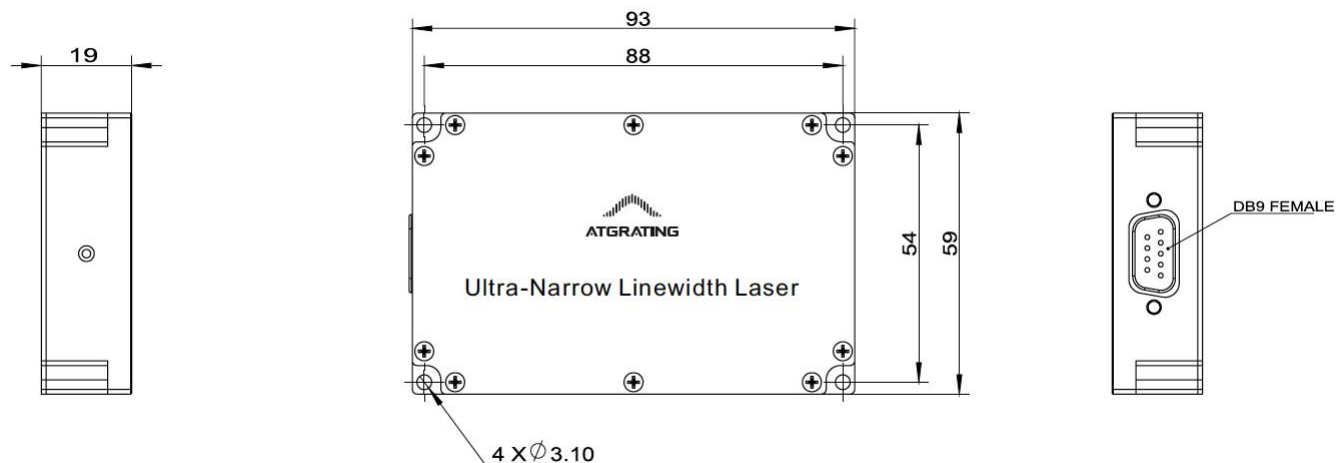
- Interferometric Optical Sensing
- LIDAR
- B-OTDR Temperature and Strain
- Gas Sensing
- Oil and Gas Exploration
- Coherent Communication
- Test and Measurement



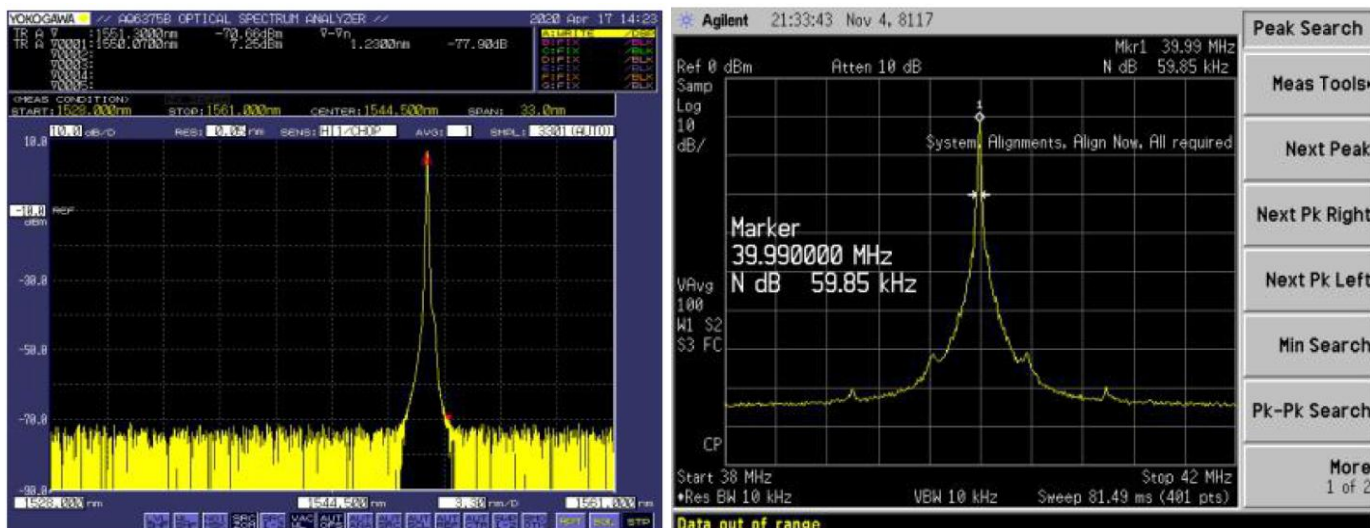
Specifications

Parameter	Unit	Value
Output power	dBm	8
Center wavelength	nm	1535-1565
Thermal wavelength tuning	pm	30
SMSR	dB	>50
Linewidth	KHz	<10
PER	dB	>20
Optical isolation	dB	>30
Input voltage	V	5
Dimension	mm	93*59*19

Mechanical Structure Diagram



Typical Spectrum



RIN

