

[OEFLS-NL-100]

Narrow Linewidth Fiber Laser Source

Features:

- High power
- Custom wavelength
- Stable output
- Turn-key solution
- Air-cooled package

Applications:

- Medical
- Acoustic sensing
- Fiber Sensing
- LIDAR and remote sensing
- Coherent communication
- Interferometry
- Optical testing
- R&D



OEFLS-NL-100

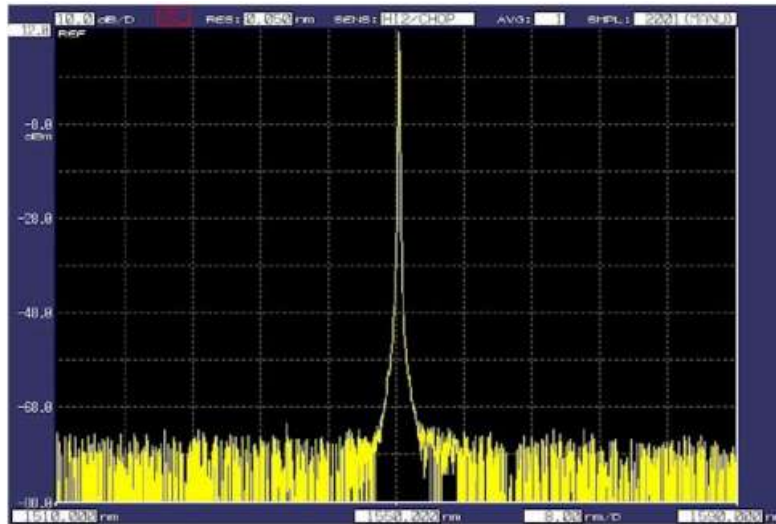
Product description:

The **OEFLS-NL-100** product is a kHz linewidth single frequency fibre laser source which is designed for advanced photonic applications that require highly coherent laser sources. This cutting-edge laser source delivers exceptional spectral purity and narrow linewidths, essential for applications in fields such as high-resolution spectroscopy, atomic physics, and interferometry. Available in multiple power configurations, the standard models offer precise output at less than 100 mW, 1000 mW, and 10,000 mW, ensuring flexibility for a range of experimental and industrial uses. With robust fiber-based design, these lasers provide both stability and reliability, making them ideal for environments that demand consistent, high-quality performance.

Product specifications:

Parameter	Unit	Parameters		
Model		OEFLS-NL-100 Narrow Linewidth Laser Source		
Type		1 μm	1.5 μm	2 μm
Center Wavelength	nm	1015-1080	1520-1580	1850-2100
Center Wavelength precision	nm	± 0.05		
Linewidth	kHz	1; 5; 10		
Output power	mW	10; 100; 1 000; 5 000; 10 000		
ASE suppression	dB	> 50		
Output fiber type	-	SM, PM		
Output	-	Fiber connectors: FC, SC, ST Free-spaced (collimated)		
Polarization	-	Linear or random		
Operating temperature	$^{\circ}\text{C}$	0 - 50		
Dimensions (LxWxH)	mm	310 x 190 x 70		

Product spectrum:



OEFLS-NL-100 at 1550nm

Ordering number for OEFLS-NL-100:

Model	Wavelength range WL (-)	Power (mW)	Fiber type (FT)	Connector (C)	Fiber Length (FL)
OEFLS-NL-100-WL-P-FT-C-FL	1: 1 μm 1.5: 1.5 μm 2: 2 μm	P1: 10 mW P2: 100 mW P3: 1000 mW P4: 5000 mW P5: 10000 mW	SM: single mode PM: Polarization-maintaining	Free-spaced C0 FC/PC C1 FC/APC C2 SC/PC C3 SC/APC C4 ST/PC C5 ST/APC C6	Default: 1 m Custom: specify value
Example:	OEFLS-NL-100-1.5-P1-SM-C1				