NLS Series Narrow-Linewidth Fiber Laser Module

Light Sources

The NLS module produces narrow-linewidth optical output in the 1550 nm band. Optical linewidth, wavelength stability and output power govern source selection.



Technical specifications

Operating wavelength (nm)	1530 to 1565 (Typical 1550.12)
Optical output power (mW)	10 to 40 (Typical 20)
Laser linewidth (kHz)	<3
Signal-to-noise ratio (dB)	≥55
Relaxation oscillation frequency (kHz)	≥300
Relative intensity noise (dB/Hz)	≤-120
Wavelength stability	WLss ≤0.2pm/h; WLls ≤0.1pm/15min
Power stability	PSS ±0.03 dB/15min; PLS ±0.01 dB/8h