NEW !

SLIM LINER

THE NARROWEST-LINEWIDTH LASER

The SLIM LINER, a high spectral purity laser source, is a single-frequency, ultra-narrow linewidth laser. It is based on the Self-Adaptive Photonic Oscillator (SAPO) technology developed by the Institut Foton at Université de Rennes in France. A pump laser is locked onto a cavity using stimulated Brillouin scattering, which offers an extremely narrow gain bandwidth, naturally favoring a high spectral purity.

SPECIFICATIONS

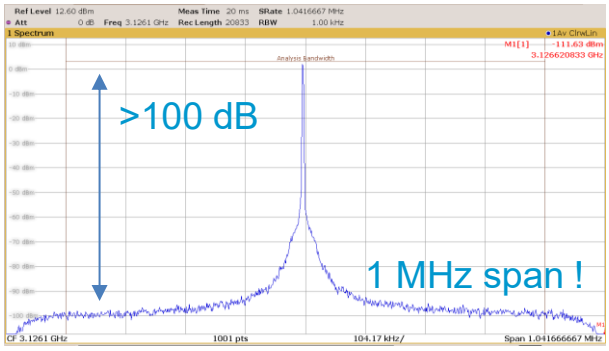
- Laser emission: Continuous Wave (CW)
- Available wavelengths: 1529 to 1562 nm or custom
- Output power: typ. 10 mW
  (higher power accessible upon demand)
- Polarization Extinction Ratio (PER): typ. > 20 dB
- Optical output connector: FC/APC with narrow key
- RIN: typ. <-150 dBc/Hz at 1 MHz

- Temperature control input voltage range: ±5 V
- NTC resistance reading connector: SMA
- Temperature control input connector: SMA
- Power supply plug: P1J
- System dimensions: 360 × 360 × 88 mm^3
- System weight: 5.5 kg

FREQUENCY NOISE
< 0.0004 Hz^2/Hz

PERFORMANCES

Optical Power Spectrum on a Span of 1 MHz



Frequency Noise Measurement