

1550nm Narrow linewidth laser

NARROW-LINEWIDTH CW LASERS

1550nm Narrow linewidth laser Based on FECL/Er fiber DFB seed laser and Er fiber amplifier, Precilasers can provide 1550nm narrow linewidth lasers with very low phase noise and intensity noise■

- Narrow Linewidth Low Phase
- Noise Low Intensity Noise
- Never Mod
- Quantum Precision Measurement Quantum
- Computation

Specifications

Parameter	FL-SF-X-Y-CW (1)
Wavelength	1550nm
Output Power	>2W/20W/40W
Seed Laser (2)	Fiber DFB Seed Laser (1525-1610nm) / Fxied External Cavity Diode Laser(FECL, 1525-1625nm)
Linewidth(100us Integration Time)	<1kHz/2kHz / <5kHz/10kHz
Total Tuning Range (Temperature)	>1nm / >7GHz
Fast Tuning Bandwidth	>5kHz, PZT / >1MHz, Current
Fast Tuning Range	>3GHz/10GHz, PZT / >500MHz, Current
AOM Tuning Bandwidth (Optional)	>500kHz
AOM Tuning Range (Optional)	>±5MHz
Power Stability	<0.75% @3hours, RMS
Power Tuning Range	1-100%
Output Mode	Single Mode PM Fiber, FC/APC Connector (Output Power≤2W) Or Free Space Collimated Output
Beam Diameter	0.6±0.2mm
Beam Quality	TEM00, M ² <1.1
Polarization	Linear, >23dB
Output Isolation	>25dB
Cooling	Air Cooling/Water Cooling
Temperature	15-30 °C (Air Cooling) Or 15-35 °C (Water Cooling)
Power Supply	100V-240V, AC, 50/60Hz
Communication	RS422

Source: WaveQuanta product database. For ordering, customization (wavelength, power, package) and quotation, contact sales@wavequanta.com.