

976nm Narrow linewidth laser

NARROW-LINEWIDTH CW LASERS



976nm Narrow linewidth laser Based on high-power, low-noise Tm-doped fiber lasers amplifier and frequency doubling technology, Precilasers can provide 976nm high-power, narrow linewidth laser output.

- Narrow Linewidth Low
- High Power Power Stability
- Excellent Beam Quality
- Mode
- Hopping Free High Temperature
- And Vibration Resistance
- Laser Cooling
- Trapping

Specifications

Parameter	FL-SF-XXXX-YY-CW (1)
Wavelength	976nm
Seed Laser Type	Fiber DFB Seed Laser (1760-2024nm)
Output Power	>0.2W/2W/5W/10W
Thermal Tuning Range	>0.5nm, Never Mode-hop
Output Mode	PM Fiber Output, FC/APC (Output Power \leq 2W) OR Free Space Output (Compatible with all versions)
Beam Diameter (2)	0.7-1.0mm
Power Tuning Range	5-100%
Beam Pointing Stability	<10 μ rad
Linewidth (3) (100us)	<20kHz
PER	linear,>20dB
Power Stability	<0.75%@3hours, RMS
Beam Quality	TEM00, M ₂ <1.1
Fast Frequency Tuning Range	>3GHz
Fast Frequency Tuning Bandwidth	>5kHz
AOM Tuning Range (Optional)	> \pm 5MHz
AOM Tuning Bandwidth (Optional)	>500kHz
RIN	<0.08% (RMS,10Hz-100MHz)
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.