

813nm Narrow linewidth laser

NARROW-LINEWIDTH CW LASERS



813nm Narrow linewidth laser Based on high-power, low-noise fiber lasers amplification and sum-frequency technology, Precilasers can provide 813nm high-power, narrow linewidth laser output.

- Narrow Linewidth Low
- High Power Power Stability
- Excellent Beam Quality Never
- Mode
- High Temperature And Vibration
- Resistance
- Quantum Computing
- Rb Quantum Computing Quantum

Specifications

Parameter	FL-SF-XXXX-YY-CW (1)
Wavelength	813nm
Output Power	2W/4W/6W/8W/10W/15W/25W
RIN	<0.05% (10Hz-100MHz, RMS)
Thermal Tuning Range	>0.15nm, Never Mode-hop
Output Mode	Free Space Output, Beam Diameter 0.7-1.0mm
Linewidth (2) (100us)	<20kHz
PER	>20dB
Power Stability	<0.75%@3hours, RMS
Beam Quality	M ₂ <1.1
Fast Frequency Tuning Range	>500MHz
Fast Frequency Tuning Bandwidth	>1MHz
PZT Frequency Tuning Range	>3GHz
PZT Frequency Tuning Bandwidth	>5kHz
Cooling	Air Cooling(Output Power≤2W) Or Water Cooling
PM Fiber Output	For output power≤2W lasers, single-mode polarization-maintaining fiber output can be selected.
Temperature	15-30°C
Power Consumption	<400W
Power Supply	100V-240V, AC, 50/60Hz

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