

852nm 30W High Power Narrow Linewidth Laser

NARROW-LINEWIDTH CW LASERS



852nm 30W High Power Narrow Linewidth Laser Based on high-power, low-noise fiber amplification and sum frequency generation (SFG) technology, Precilasers can deliver high-power, narrow-linewidth laser output at 852 nm, featuring high power and low intensity noise. It is suitable for applications in fields such as quantum simulation and laser spectroscopy.

- Narrow Linewidth
- Hz Low Intensity Noise
- High Power Active Power
- Stabilization
- Excellent Beam Quality
- Never Mode
- Resistant to High
- Low Temperatures and Vibration

Specifications

Parameter	FL-SF-XXXX-YY-CW
Center Wavelength	852.356nm
Operating Mode	CW
Output Power	>30W
Output Mode	Free Space Output
RIN (10Hz-10MHz, RMS)	<0.05%
Power Stability	<0.3%@3hours, RMS
Tuning Range	>0.15nm, Never Mode-hop
PZT Tuning Range	>3GHz
PZT Tuning Bandwidth	>5kHz
Current Tuning Range	>500MHz
Current Tuning Bandwidth	>1MHz
Linewidth (100us)	<20kHz
Beam Quality	M ₂ <1.1
Beam Spot Diameter	~0.8mm
PER	>20dB, Linear
Cooling	Water Cooling

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