

# 589nm Narrow linewidth laser

## NARROW-LINEWIDTH CW LASERS



589nm Narrow linewidth laser Based on high-power, low-noise raman fiber lasers amplifier and frequency doubling technology, Precilasers can provide high-power, narrow linewidth laser output at 589nm

- Narrow Linewidth Low
- High Power Power Stability
- Excellent Beam Quality
- Never Mode
- High Temperature And Vibration
- Resistance
- Lithium Atom Cooling Quantum
- Simulation Bioscience Medical Beauty

### Specifications

Parameter	FL-SF-XXXX-YY-CW (1)
Center Wavelength	589nm
Operation Mode	CW
Output Power	>2W / >10W / >30W
Thermal Tuning Range	>15GHz, Never Mode-hop
Output Mode	Free Space Output
Beam Diameter	0.7-1.0mm
Linewidth (2) (100us)	<40kHz
PER	>20dB
Fast Frequency Tuning Range	>500MHz
Fast Frequency Tuning Bandwidth	>1MHz
Power Stability	<0.75%
Beam Quality	M <sub>2</sub> <1.1
RIN (10Hz-100MHz, RMS)	<0.75%
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.