

318nm Narrow linewidth laser

NARROW-LINEWIDTH CW LASERS



318nm Narrow linewidth laser Based on a single-frequency seed laser, fiber laser amplification, and high-efficiency frequency conversion technology, Precilasers can provide 308-324nm narrow-linewidth lasers with a maximum output power of 1W. These lasers also feature high frequency stability, long lifespan, and excellent beam quality.

- Narrow Linewidth High Power
- Excellent Beam Quality Never
- Mode

Specifications

Parameter	FL-SF-XX-YY (1) -CW
Selectable Center Wavelength	308nm, 313nm
Output Power	0.1W / 0.5W / 1W
Linewidth (2) (100 us integration)	<60kHz
Monitor Light Output Power@594nm/604nm	>3mW
Tuning Range (Continuous Mode-Hop-Free)	>300GHz
PZT Tuning Range	>3GHz
PZT Tuning Bandwidth	>5kHz
Current Tuning Range	>500MHz
Current Tuning Bandwidth	>1MHz
Power Stability	<1%@3hours, RMS
Output Mode	Spatial Collimated Output, 0.8mm-1.2mm Diameter
Polarization Extinction Ratio	>20dB, Linear Polarization
Beam Quality	TEM00, M ² <1.3
Cooling	Air Cooling / Water Cooling
Wide Tuning Option	Wide tuning of ±0.5nm@308nm achieved by replacing with a wide-tuning seed laser
Cooling	Air Cooling / Water Cooling
Operating Temperature	15-30°C (under non-condensing conditions) / 15-35°C (under non-condensing conditions)
Power Supply	100V-240V, AC, 50/60Hz

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