

249-283.5nm Laser

NARROW-LINEWIDTH CW LASERS



249-283.5nm Laser Based on high-power, low-noise Yb-doped fiber lasers amplification and frequency quadrupling technology, Precilasers can provide high-power, narrow linewidth laser output with a wavelength ranging from 249 to 283.5 nm.

- Narrow Linewidth Low
- High Power Power Stability
- Excellent Beam Quality
- Never Mode
- High Temperature And Vibration
- Resistance
- Helium Atom Single Photon
- Rydberg Parametric Conversion

Specifications

Parameter	FL-SF-XXXX-YY-CW (1)
Wavelength Range	249-283.5nm
Typical Wavelength	257nm / 266nm
Operation Mode	CW
Output Power	>0.1W / >0.5W / >1W
Thermal Tuning Range	>0.17nm, Never Mode-hop
Output Mode	Free Space Output
Beam Diameter	0.8-1.2mm
Linewidth (2) (100us)	<40kHz
PER	>20dB
Power Stability	<1%@3hours, RMS
Beam Quality	M ₂ <1.3
Fast Frequency Tuning Range	>3GHz
Fast Frequency Tuning Bandwidth	>5kHz
AOM Tuning Range (Optional)	>±5MHz
AOM Tuning Bandwidth (Optional)	>500kHz
RIN	<0.08% (10Hz-100MHz, RMS)
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.