

220-248nm Laser

NARROW-LINEWIDTH CW LASERS



220-248nm Laser Based on high-power, low-noise Tm-doped fiber lasers amplifier and frequency octupling technology, Precilasers can provide high-power, narrow linewidth laser output from 220 to 248 nm.

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

Specifications

Parameter	FL-SF-XXXX-YY-CW (1)
Wavelength Range	220-248nm
Typical Wavelength	248nm
Operation Mode	CW
Output Power	>0.01W / >0.05W / >0.1W
Thermal Tuning Range	>0.125nm, Never Mode-hop
Output Mode	Free Space Output
Beam Diameter	1.0-1.2mm
Linewidth (2) (100us)	<80kHz
PER	>20dB
Power Stability	<1%@3hours, RMS
Beam Quality	M ² <1.5
Fast Frequency Tuning Range	>3GHz
Fast Frequency Tuning Bandwidth	>5kHz
AOM Tuning Range (Optional)	>±5MHz
AOM Tuning Bandwidth (Optional)	>500kHz
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.