

460nm Narrow linewidth laser

NARROW-LINEWIDTH CW LASERS



460nm Narrow linewidth laser Based on high-power, low-noise thulium-doped fiber amplification and 4th harmonic generation technology, Precilasers can achieve high-power, narrow-linewidth laser output at 460nm.

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

Specifications

Parameter	FL-SF-XXXX-YY-CW (1)
Wavelength	460nm
Operation Mode	CW
Output Power	>2W / >3W
Thermal Tuning Range	>0.25nm, Never Mode-hop
Output Mode	Free Space Output, Diameter 0.7-1.0mm
Linewidth (2) (100us)	<40kHz
PER	>20dB
Power Stability	<0.75%@3hours, RMS
Beam Quality	M ₂ <1.2
Fast Frequency Tuning Range	>3GHz
Fast Frequency Tuning Bandwidth	>5kHz
RIN (10Hz-100MHz, RMS)	<0.3%
Cooling	Air Cooling / Water Cooling
AOM Option	AOM Tuning Range: >±5MHz AOM Tuning Bandwidth: >500kHz
Power Supply	100-240V , 50/60Hz

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