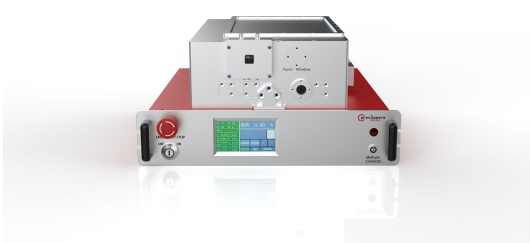


548nm Narrow linewidth laser

NARROW-LINEWIDTH CW LASERS



548nm Narrow linewidth laser Based on high-power, low-noise ytterbium-doped fiber amplification and frequency doubling technology, Precilasers can achieve high-power, narrow-linewidth laser output at 548nm.

- Narrow Linewidth Low
- High Power Power Stability
- Excellent Beam Quality
- Never Mode
- High Temperature And Vibration
- Resistance
- Laser cooling
- Optical Lattice Pump laser

Specifications

Parameter	FL-SF-XXXX-YY-CW (1)
Wavelength	548nm
Seed Laser Type	Fiber DFB Seed Laser (1012-1134nm) / Fixed External Cavity Diode Laser (FECL,1012-1134nm)
Output Power	>10W/20W
Thermal Tuning Range (2)	>0.35nm, Never Mode-hop / >10GHz, Never Mode-hop
Output Mode	PM Fiber Output, FC/APC (Output Power ≤0.5W) OR Free Space Output (Compatible with all versions)
Beam Diameter (3)	0.7-1.0mm
Power Tuning Range	10-100%
Beam Pointing Stability	<50μrad
Linewidth (4) (100us)	<6kHz/20kHz / <20kHz/60kHz
PER	linear,>20dB
Power Stability	<0.75%@3hours, RMS
Beam Quality	TEM00, M ² <1.1
Fast Frequency Tuning Range	>3GHz / >1GHz
Fast Frequency Tuning Bandwidth	>5kHz,PZT Tuning / >1MHz,Current Tuning
AOM Tuning Range (Optional)	>±5MHz
AOM Tuning Bandwidth (Optional)	>500kHz
RIN	<0.1% (RMS,10Hz-100MHz)
Cooling	Air Cooling (Output Power≤20W) /Water Cooling(Compatible with all versions)
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.