

# Single module 532nm laser

## CONTROL ELECTRONICS & MODULES



Single module 532nm laser Based on fixed external cavity semiconductor seed laser, low noise Yb-doped fiber amplifier and high efficiency frequency doubling module, as well as integrated drive circuit, Precilasers can provide ultra-small frequency doubling 532nm laser, which is widely used in quantum precision measurement and optical precision measurement.

- Ultra
- Size Narrow Linewidth Tunable
- Continuous Laser
- Rb Atom Quantum Computing
- Rb Atom Atomic Gravimeter
- Precision Distance Measurement

### Specifications

Parameter	FL-SF-532-X (1) -C
Center Wavelength	532.00nm
Output Power	>20mW / >100mW
Operation Mode	Continuous
Tuning Range (Temperature)	>10GHz, Continuous without mode hop
Output Mode	Single-mode polarization-maintaining fiber
Linewidth (2) (100us integration time)	<20kHz / <40kHz
Polarization Extinction Ratio	>20dB
Power Stability (3 Hours RMS)	<0.75%
Beam Quality	M2<1.1
Current Tuning Range	>1GHz
Current Tuning Bandwidth	>1MHz
Cooling	Conduction cooling
Temperature	15-25°C
Power Consumption	<24W
Power Supply	24V DC

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