



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.

Features

- Ultra-small Size
- Narrow Linewidth
- Tunable
- Continuous Laser

Applications

- Rb Atom Quantum Computing
- Rb Atom Atomic Gravimeter
- Precision Distance Measurement



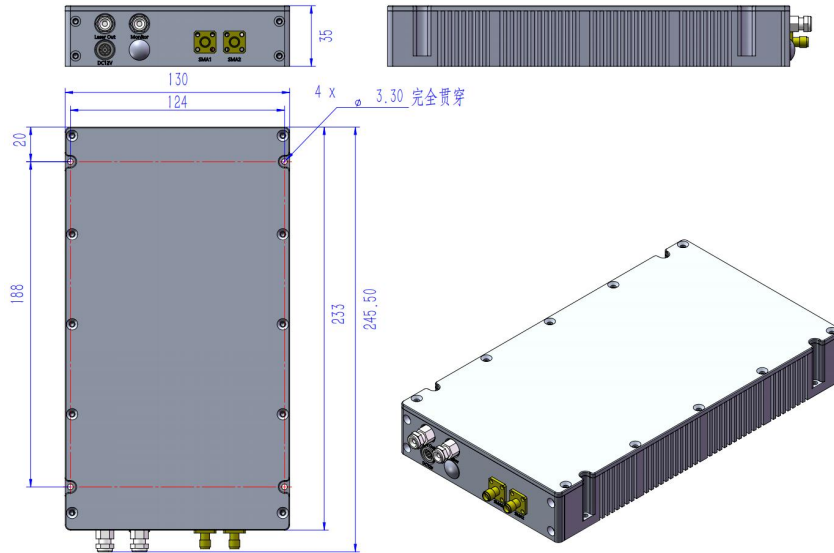
Specification		
Partnumber	FL-SF-532-X ⁽¹⁾ -C	
Center Wavelength	532.00nm	
Output Power	> 20mW	> 100mW
Operation Mode	Continuous	
Tuning Range (Temperature)	> 10GHz, Continuous without mode hop	
Output Mode	Single-mode polarization-maintaining fiber	
Line Width ⁽²⁾ (100us integration time)	< 20kHz	< 40kHz
Polarization Extinction Ratio	> 20dB	
Power Stability (3 Hours RMS)	< 0.75%	
Beam Quality	M ² < 1.1	
Current Tuning Range	> 1GHz	
Current Tuning Bandwidth	> 1MHz	
Cooling	Conduction cooling	

(1) X represents power. For example, if the power is 0.1W, the model number is FL-SF-532-0.1-C

(2) Fiber delay self-heterodyne beat frequency measurement

Other Parameters	
Temperature	15-25°C
Power Consumption	< 24W
Power Supply	24V DC

❖ Product Dimensions



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