



Single Module Frequency Doubled 795nm Laser

Based on fixed external cavity semiconductor seed laser, low noise erbium doped fiber amplifier and high efficiency frequency doubling module, as well as integrated drive circuit, Precilasers can provide ultra-small frequency doubling 795nm 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



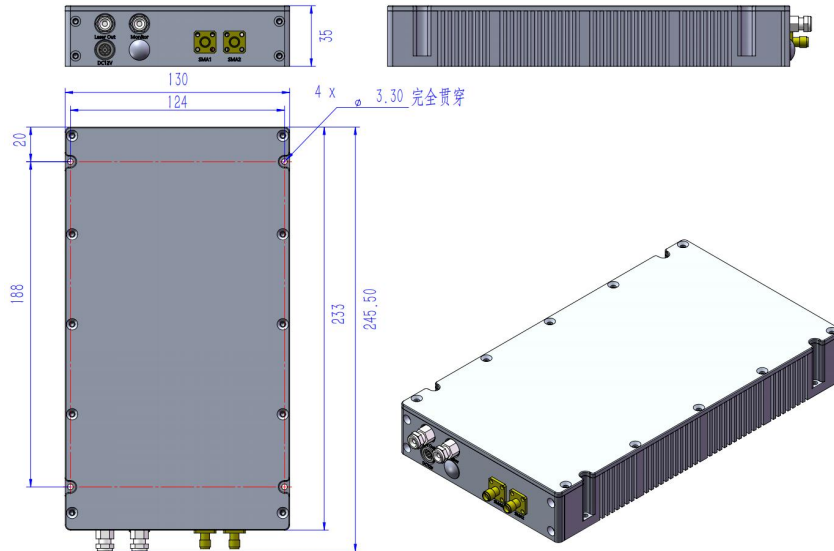
Specification	
Partnumber	FL-SF-795-X ⁽¹⁾ -C
Center Wavelength	795nm
Output Power	> 100mW
Monitor Port Output Power	>5mW
Operation Mode	Continuous
Tuning Range (Temperature)	> 15GHz, Continuous without mode hop
Output Mode	Single-mode polarization-maintaining fiber
Linewidth ⁽²⁾ (100us integration time)	< 10kHz
	< 20kHz
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

(1) X represents power. For example, if the power is 0.1W, the model number is FL-SF-795-0.1-C

(2) Fiber delay self-heterodyne beat frequency measurement

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

❖ Product Dimensions




Product Dimensions



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⚠ Laser Hazard

Visible or invisible laser radiation, avoid eye or skin exposure to direct, reflected or filtered radiation.

CLASS 4 Laser Products

