

515/532nm Picosecond Pulse Fiber Laser

The 515/532nm Picosecond Pulse Fiber Laser utilizes high-performance rare earth fiber as a working medium, combining fully protected bias lock mold and octave technology to achieve a stable output of 515/532nm band pump pulsed lasers. Fully self-starting and long-term stable operation, with narrow laser pulse, pulse peak optical power characteristics and uses in fluorescent life microimaging, nonlinear optics and other fields of scientific research.

* Accept customization of parameters such as pulse width, power, repetition frequency, etc.

Characteristics

- Full polarization-maintaining Optical Path
- Self-starting Maintenance-free
- Greenlight Picoseconds

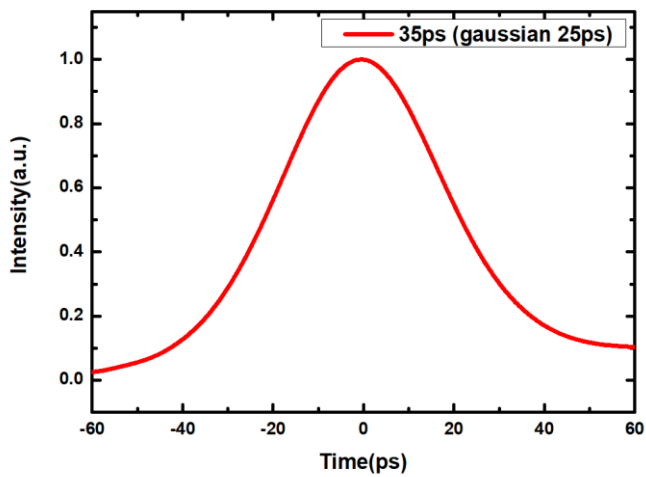
Applications

- Fluorescence Lifetime Microscopy
- OPA Pump Laser
- Seed Laser

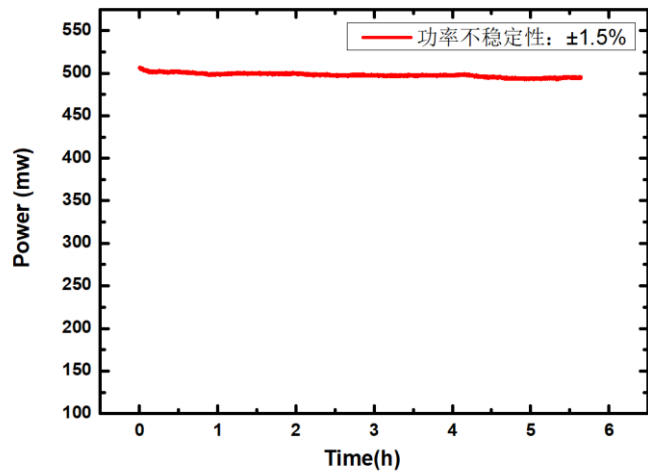


| Parameters | Unit | Typical Value | Remarks |
|-------------------|------|----------------------|--------------|
| Center Wavelength | nm | 515/532 | Customizable |
| Spectrum Width | nm | 0.3 | Customizable |
| Pulse Duration | ps | 10/20/50/100 | Customizable |
| Average Power | mW | 1~200 | Customizable |
| Power Instability | - | < ±1% | 25°C |
| Repetition Rate | MHz | 15~100 | Customizable |
| Pulse Energy | nJ | >0.5 | |
| Mode Locking Time | s | <20 | |
| Polarization | - | Linear | |
| Fiber Type | - | PM Fiber、 Free Space | |
| Warm Up time | min | < 1 | |

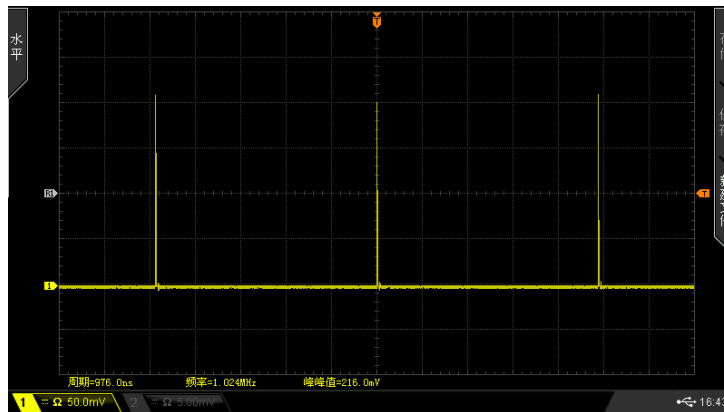
| General Parameters | Desktop | Module |
|------------------------------------|----------------------------|----------------------------|
| Control function | Push Button in Front Panel | Push Button in Front Panel |
| Synchronous electrical signal port | SMA | SMA |
| Power Supply | AC100~240V, <30W | DC5V, <20W |
| Dimensions | 330(W)×398(D)×112(H)mm | 200(W)×121(D)×65(H)mm |
| Operation Temperature | 5 ~ 35°C | |
| Operation Humidity | 0~70% | |



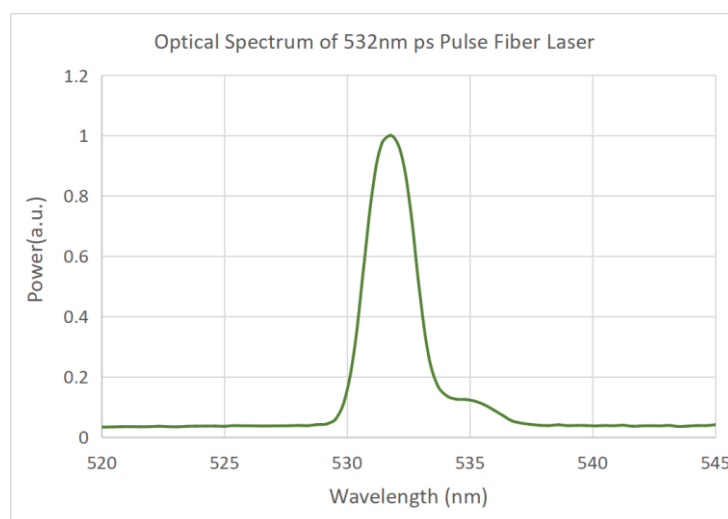
Autocorrelation Curve



Power Instability



Pulse





| Ordering Information/Model Number | | | | | | |
|-----------------------------------|---------|--------------------|-----------|-----------|---------------------|----------------------------|
| PSPL | WL(nm) | Pulse Duration(fs) | Power(mW) | Freq(MHz) | Fiber | Packaging |
| | 515/532 | 10/20/50/100 | 10/50/200 | 15/50/100 | FS – Space Light | B – Desktop M - Modular |

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