

1560nm Picosecond Pulse Fiber Laser

The 1560nm Picosecond Pulse Fiber Laser series picosecond pulse update laser uses high-performance rare earth fiber as the working medium, combined with high-precision dispersion compensation technology and active servo system, to achieve a stable output of picosecond pulse laser in 1560nm band. One-button self-starting, long-term stable operation and maintenance-free, with extremely narrow laser pulses and high pulse peak power, it has a wide range of applications in the fields of the optical frequency comb, supercontinuum, terahertz THz, and other fields.

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

Characteristics

- Pulse Width 1~100ps
- Wavelength 1530~1560 nm
- Self-starting Maintenance-free
- Full Polarization-maintaining High Stability

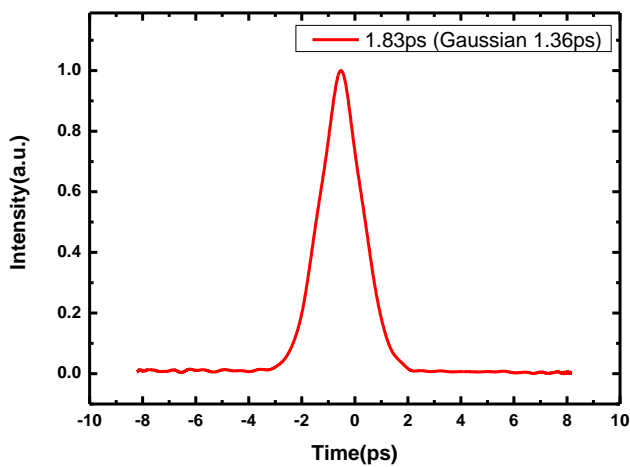
Applications

- Optical Frequency Comb
- Supercontinuum
- Terahertz Wave
- Ultra-faster Laser Research

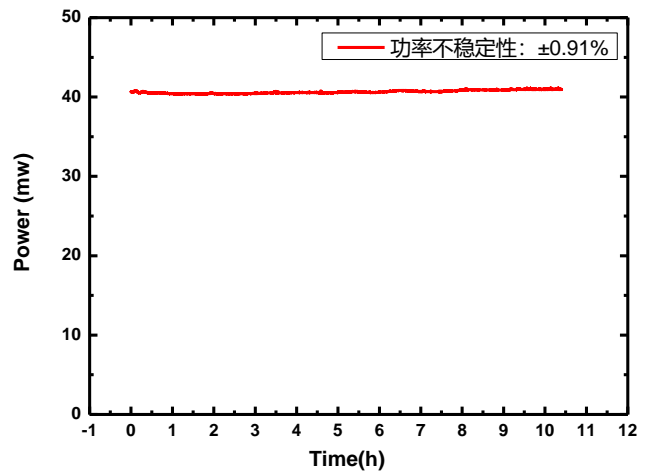


Parameters	Unit	Typical Value	Remarks
Center Wavelength	nm	1530~1560	Customizable
Spectrum Width	nm	0.5~50	
Pulse Duration	ps	1/10/50/100	Customizable
Average Power	mW	1~120	Customizable
Power Instability	-	< ±1%	
Repetition Rate	MHz	80	Customizable
Repetition Rate Instability	Hz	< 100	
Pulse Energy	nJ	>1	
Polarization	-	Linear	Aligned to Slow Axis
Fiber Type	-	PM Fiber	
Fiber connector	-	FC/APC	
Warm Up time	min	< 1	

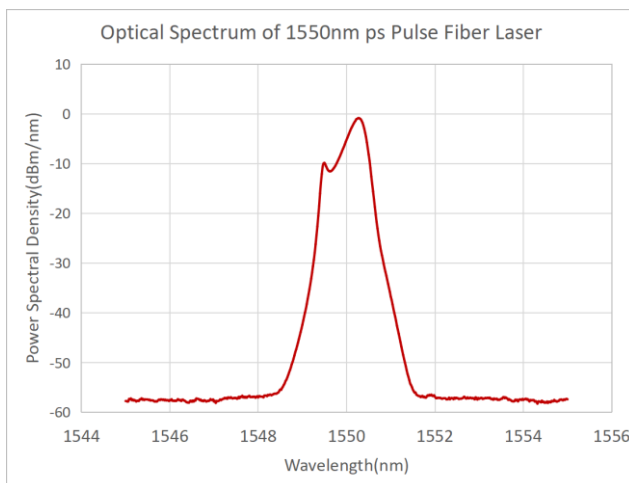
General Parameters	Desktop	Module
Control function	Push Button in Front Panel	Push Button in Front Panel
Synchronous electrical signal port	SMA	SMA
Power Supply	AC100~240V, <30W	DC5V, <20W
Dimensions(mm)	260(W)×280(D)×120(H)	200(W)×121(D)×65(H)mm
Operation Temperature	5 ~ 35°C	
Operation Humidity	0~70%	



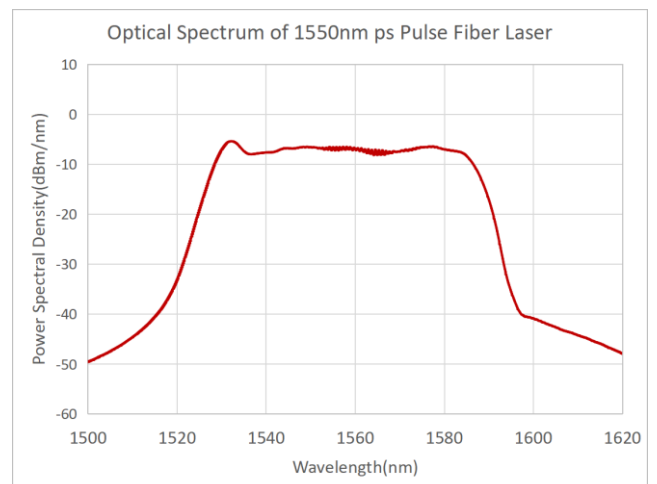
Autocorrelation Curve



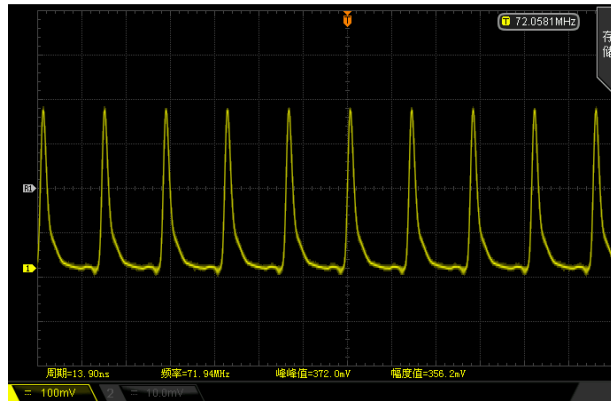
Power Stability



Optical Spectrum (Narrow)



Optical Spectrum (Broad)



Pulse Train

Ordering Information/Model Number						
PSPL	WL(nm)	Pulse Duration(ps)	Power(mW)	Freq(MHz)	Fiber	Packaging
	1560	1/10/50/100	10/50/100	80/100	SM PM	B - Desktop M - Module