1030/1064nm Picosecond Pulse Fiber Laser

Y-Fiber series ultrafast lasers use high-performance rare earth fiber as the working medium, combined with full polarization-maintaining mode-locking technology and active servo control system, to achieve a stable output of picosecond pulsed lasers in the 1030/1064nm band. It can be fully self-started and can work stably for a long time and has the characteristics of the narrow laser pulse and high pulse peak optical power. The light source can be used for scientific research in the fields of high-power laser, supercontinuum, and laser ranging.

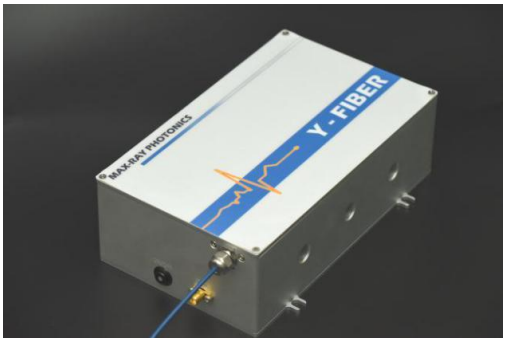
* Accept customization of parameters such as pulse width, power, repetition frequency, etc.

Features

- Ultrashort Pulse
- Self-starting Maintenance-free
- Full Polarization-maintaining High Stability

Applications

- Fiber Laser Pumping
- Supercontinuum Generation
- Seed Laser Pulse



Parameters	Unit	Typical Value	Remarks
Center Wavelength	nm	1030/1064	Customizable
Spectrum Width	nm	0.3	Customizable
Pulse Duration	ps	10/20/50/100	Customizable
Average Power	mW	10~2000	Customizable
Power Instability	-	< ±1%	
Repetition Rate	MHz	15~100	Fundamental Freq
Repetition Rate turning range	kHz	Repetition Rate/N	by AOM，Low to 1kHz
Pulse Energy	nJ	>1	
Polarization		Linear	
Fiber Type	-	PM Fiber、Free Space	
Worm 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)
Operation Temperature	5 ~ 35°C	
Operation Humidity	0~70%	

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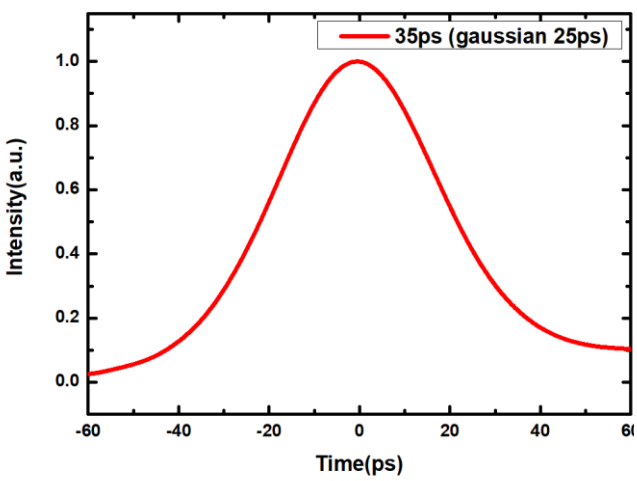
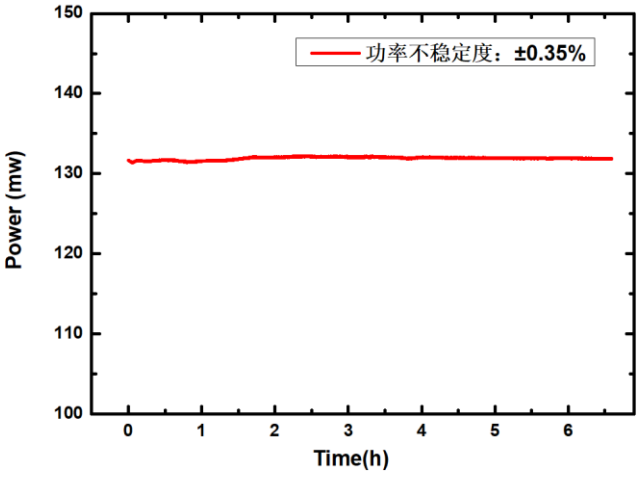
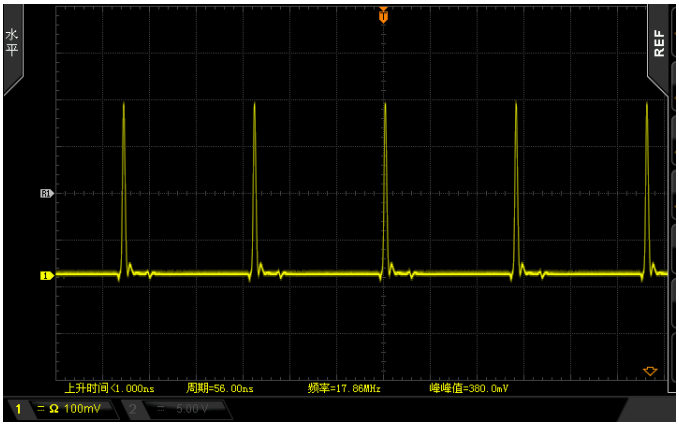
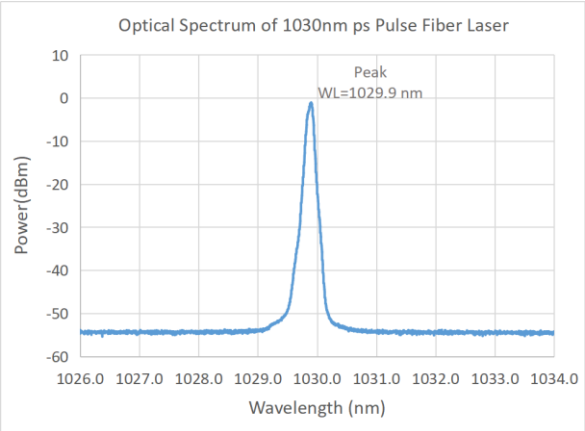


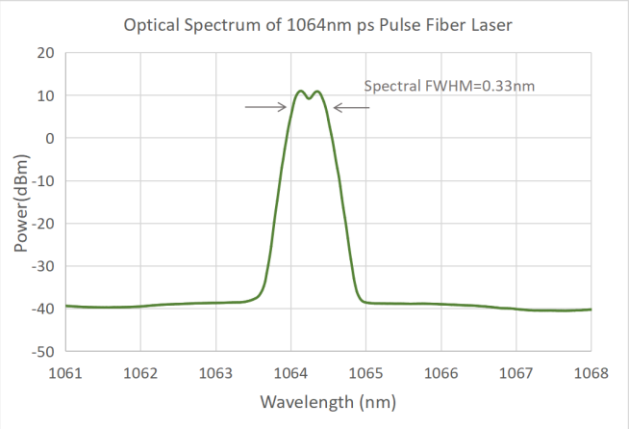
Autocorrelation Curve



Power Instability







Ordering Information/Model Number						
PSPL	WL(nm)	Pulse Duration(fs)	Power(mW)	Freq(MHz)	Fiber	Packaging
	1030/ 1064	10/20/50/100	10/50/200/ 2000	15/50/100	SM PM FS	B - Desktop M - Module

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