1560nm Picosecond Fiber Laser

The E-Fiber series picosecond pulsed fiber lasers utilize high-performance rare-earth fibers as the working medium,combined with high-precision dispersion compensation technology and an active servo system,to achieve stable output ofpicosecond pulsed lasers in the 1560nm band.With one-click self-startup upon power-on,long-term stable operation and maintenance-free features,it offers extremely narrow laser pulses and high peak pulse power,making it widely applicable in fields such as optical frequency combs,supercontinuum generation,and terahertz(THz)technology.
Customization is available for parameters such as pulse width,power,and repetition frequency.

Features
Pulse width: 1 to 100 ps
Wavelength: 1530 - 1560 nm
Self-starting and maintenance-free Full protection with high stability.

Application
Optical frequency comb
Supercontinuum
Terahertz waves
Ultrafast laser phenomena

Optical indicators	unit	Typical value	Note
Wave Long	nm	1530-1560	Customizable
Spectral width	nm	0.5 to 50	
Pulse width	fs	1/10/50/10	Customizable
Output power	mW	1 to 120	Customizable
Power instability	-	±1%	
Repetition frequency	MHz	20 to 10	Optional frequency adjustment function is available.
Instability of repetition frequency	Hz	<100	
Single-pulse energy	nJ	>1	
polarization state	-	Linear polarization	
Output format	-	PM1550,FC/APC	Slow-axis alignment
Preheating time	min	<1	

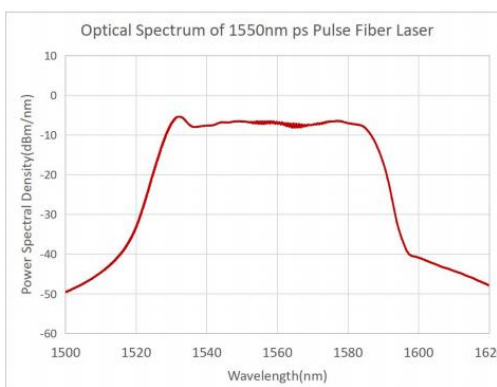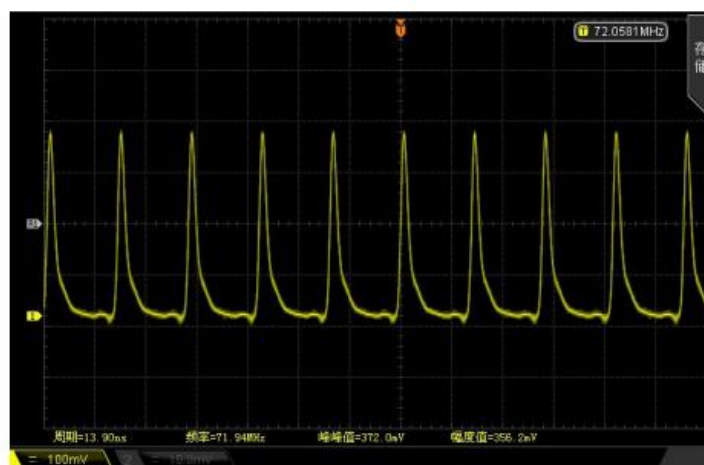| Electrical and environmental parameters	Desktop	Module
Control mode	button	button
Synchronous telecommunication signal interface	SMA	SMA
for Electricity	100~240V AC,<30W	5V DC,<20W
ruler inch	260(W)×280(D)×120(H)mm	200(W)×121(D)×65(H)mm
Working temperature	5~35°C	
Working humidity	0 to 70%	
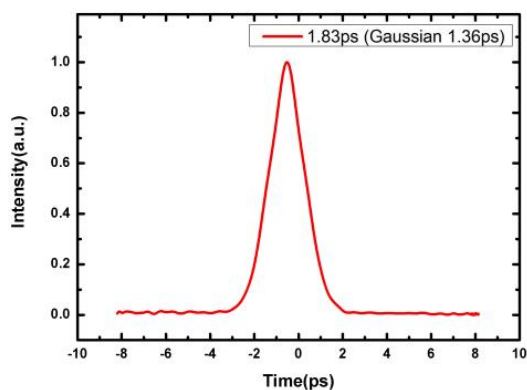
脉冲 AC 曲线
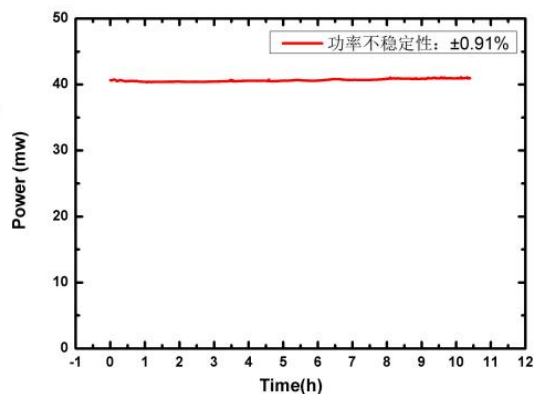
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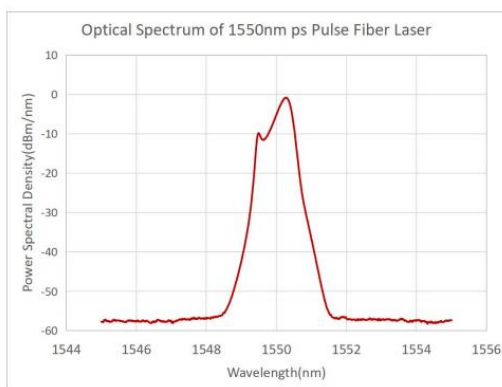
光谱（窄谱）

光谱（宽谱）

脉冲序列

Ordering Information/Model						
PSPL	Wavelength(nm)	Pulse width(fs)	Average power(mW)	Repetition frequency(MHz)	Output format	Encapsulation form
	1560	1/10/50/10	10/50/10	20/80/10	SM=Single-mode fiberPM=Polarization-maintaining fiber	B=desktop M=modular