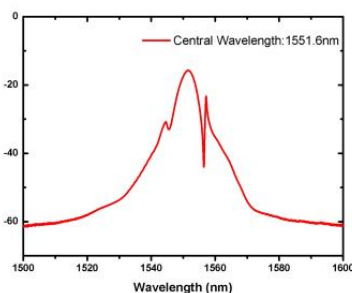
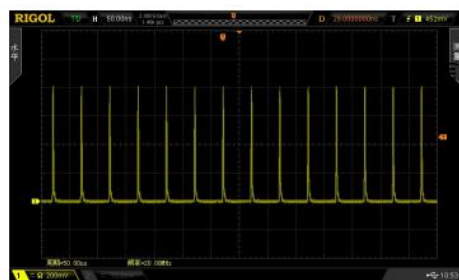


1560nm Femtosecond Fiber Laser Module

This femtosecond pulsed laser module adopts the latest all-polarization-maintaining fiber NALM passive mode-locking femtosecond laser technology, using high-performance Er-doped fiber as the laser medium to achieve stable output of femtosecond pulsed laser in the 1560nm band. It features narrow pulses, high peak pulse power, wide and smooth spectrum, as well as product characteristics such as complete self-starting, long service life, maintenance-free operation, and usability in high and low temperature environments. It is an excellent entry-level femtosecond pulsed laser product, applicable in quantum optics, optical frequency combs, supercontinuum, terahertz and other fields. Other scientific research fields.



Features

Pulse width: 500 fs
Self-starting, long-lasting,
maintenance-free, and cost-effective.
Full protection with high stability.

Application

Optical frequency comb
Supercontinuum
Terahertz waves

Optical indicators	unit	Typical value	Note
Central wavelength	nm	1560±10	
Spectral width	nm	≥10	
Pulse width	fs	≤500	Customizable
average laser power	mW	≥5	
Power instability@8 hours	-	±1%	
Repetition frequency	MHz	10/20/50/80	
Instability of repetition frequency	Hz	<1k	
Single-pulse energy	nJ	≥0.1	
polarization state	-	Linear polarization	
Optical fibers and connectors	-	PM1550,FC/APC	Slow-axis alignment
Preheating time	min	<1	

Electrical and environmental parameters	Module
Control mode	button
Synchronous telecommunication signal interface	SMA
for ruler Electricity	5V DC,<20W
ruler Electricity inch	70(W)×120(D)×25(H)mm
Working temperature	-20~+60°C
Working humidity	0 to 70%

Ordering Information/Model						
FLH	Wavelength(nm)	Pulse width(fs)	Average power(mW)	Repetition frequency(mW)	Output format	Encapsulation form
	1560	200/500	1/5/10/50/100	10/20/50/80	SM=Single-mode fiberPM=Polariza tion-maintaining fiber	M=module