

1560nm Femtosecond Pulse Fiber Laser

Key Features

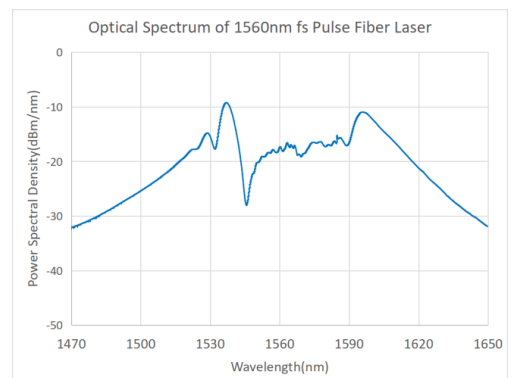
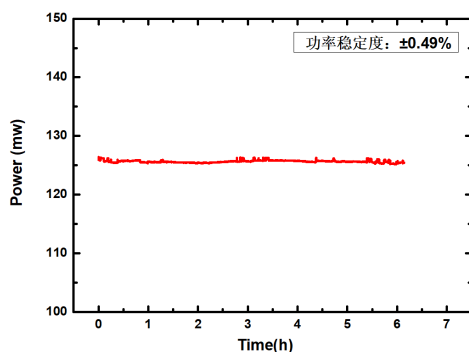
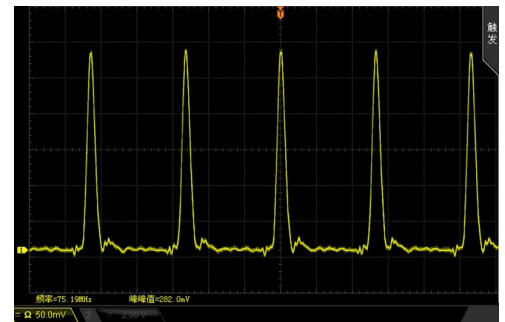
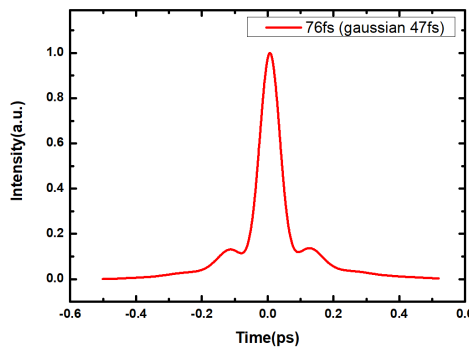
- The minimum pulse width is 50 fs
- Wavelength 1560 nm
- Self-starting and maintenance-free
- Fully guaranteed high stability

DK Photonics E-Fiber series of ultrafast lasers integrate the latest femtosecond laser technology, use high-performance rare earth fiber as the working medium, combined with high-precision dispersion compensation technology and active servo system, to achieve stable output of 1560nm band femtosecond pulse laser. One-key auto-start after power-on, long-term stable work and maintenance-free. It has the characteristics of extremely narrow laser pulse and high pulse peak power. It has a wide range of applications in optical frequency combs, supercontinuum, terahertz THz and other fields.

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

Applications

- Optical frequency comb
- Supercontinuum
- Terahertz wave
- Ultrafast laser phenomenon



For more Info

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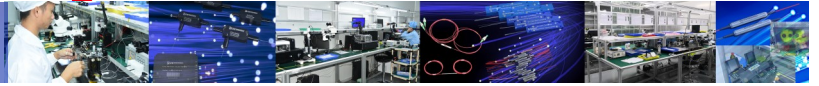
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Performance Specifications 1560nm Femtosecond Pulse Fiber Laser

Optical Parameter	Unit	Typical Values		Remark
Wavelength	nm	1560±10		
Spectral width	nm	20	60	
Pulse Width	fs	50/100/200/500		
Output average power	mW	1~120		Customizable
Power instability	-	< 1%		Customizable
Repeat frequency	MHz	80		
Repetition frequency instability	Hz	< 100		Customizable
Single pulse energy	nJ	>1		
Polarization state		Linear polarization		
Fiber Type	-	PM1550,0.5m	PM1550,2m	
Optical Connector	-	FC/APC, slow axis aligned to key		
Preheat time	min	<1		

Electrical and environmental parameters	Desktop	Module
Control Mode	Button	Button
Synchronous electrical signal interface	SMA	SMA
Power Supply	100~240V AC, <30W	5V DC, <20W
Dimensions	260(W)×280(D)×120(H)mm	200(W)×121(D)×55(H)mm
Operation Temperature Range	5~+45°C	
Operation Humidity Range	0~70%	

Order information P/N: ①-②-③-④-⑤-⑥-⑦

When you inquire, please provide the correct P/N number according to our ordering information, and attach the appropriate description would be better.

①	②	③	④	⑤	⑥	⑦
FSPL	Wavelength	Pulse Width(fs)	Output average power(mW)	Repeat frequency	Fiber Type	Package Type
	1560:1560nm	50/100/200/500	10/50/100	80/100	PM: PM1550 panda	M: Module B: Desktop

Ordering Information for Custom Parts

If you need to customize other specifications, please provide detailed description for your requirement.