

## 780nm Femtosecond Pulse Fiber Laser

### Key Features

- Femtosecond pulse width
- All PM high stability
- Self-starting and maintenance-free

DK Photonics The E-Fiber series of ultrafast lasers adopt the latest femtosecond laser technology and optical frequency doubling technology to achieve stable output of femtosecond pulsed lasers in the 780nm band. One-key auto-start after power-on and long-term stable operation. It has the characteristics of extremely narrow laser pulse and high pulse peak power. It has important applications in optical frequency combs, terahertz waves, multiphoton imaging and other fields.

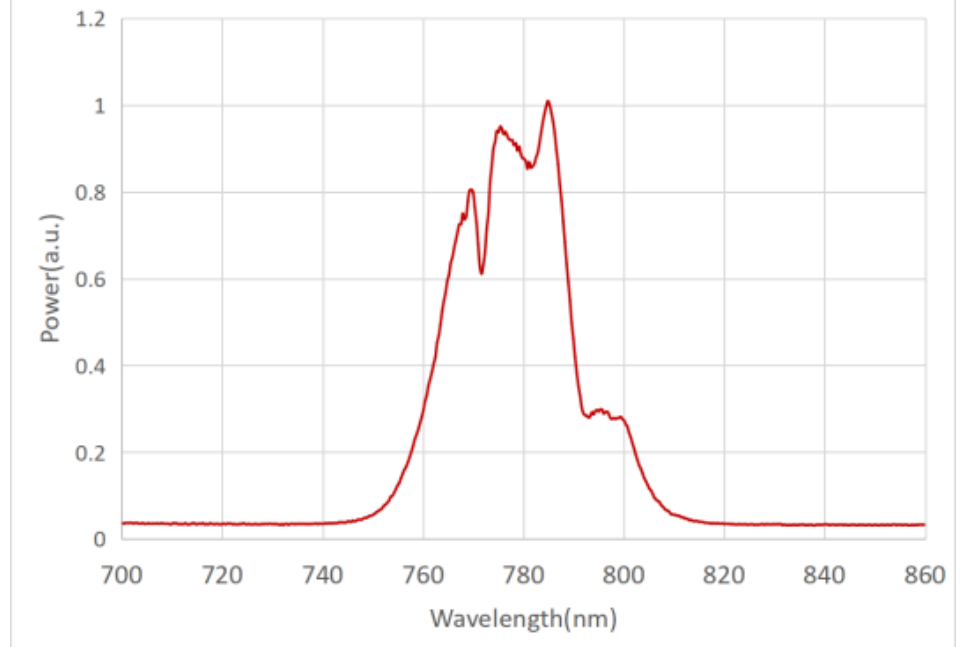
\* Accept customization of parameters such as pulse width, power, and repetition frequency.

### Applications

- Multiphoton excitation imaging
- Two-photon absorption
- Ultrafast laser phenomenon



Optical Spectrum of 780nm fs Pulse Fiber Laser



## For more Info

### Please contact us at:

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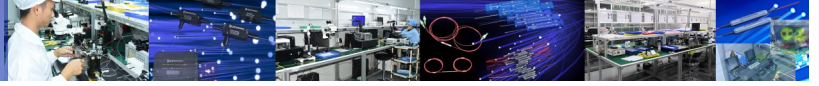
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### Performance Specifications

Optical Parameter	Unit	Typical Values	Remark
Wavelength	nm	780±10	
Spectral width	nm	20	
Pulse Width	fs	<100	Customizable
Output average power	mW	>30	Customizable
Power instability	-	< 1%	
Repeat frequency	MHz	80	Customizable
Repetition frequency instability	Hz	< 100	
Single pulse energy	nJ	>0.4	
Polarization state		Linear polarization	
Laser output type	-	Free Space	
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 power(mW)	Repeat frequency	Output Type	Package Type
	780:780nm	50/100/200/500	110/50/100	80/100	FS: Free-space	M: Module B: Desktop

### Ordering Information for Custom Parts

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