

## 780nm Femtosecond Pulse Fiber Laser

E-Fiber series ultrafast laser adopts the latest femtosecond laser technology and optical frequency doubling technology to achieve stable output of femtosecond pulsed laser in 780nm band. It has One-click self-starting and long-term stable operation. It has the characteristics of extremely narrow laser pulses and high pulse peak power. It has important applications in the fields of optical frequency combs, terahertz waves, and multiphoton imaging.

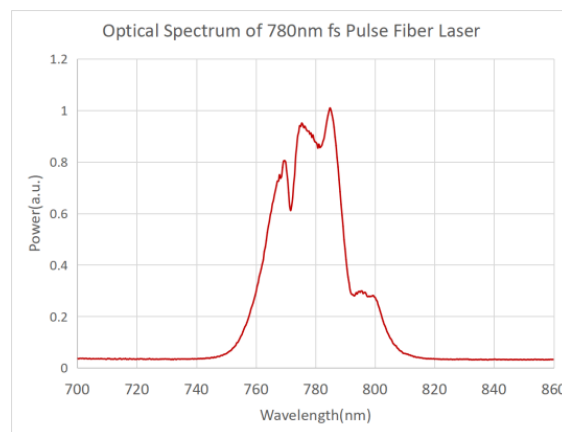
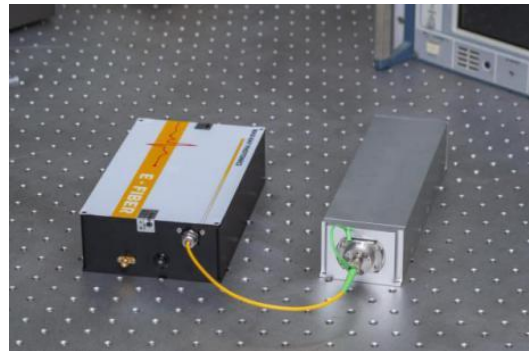
\* Accept customization of parameters such as pulse width, power, repetition frequency, etc.

### Characteristics

- Femtosecond Pulse Wide
- Self-starting Maintenance-free
- Full Polarization-maintaining High Stability

### Applications

- Multiphoton Excitation Imaging
- Double photon Absorption
- Ultra-faster Laser Phenomenon



Optical Spectrum

Parameters	Unit	Typical Value	Remarks
Center Wavelength	nm	780±10	
Spectrum Width	nm	20	
Pulse Duration	fs	<100	Customizable
Average Power	mW	>30	Customizable
Power Instability	-	< ±1%	
Repetition Rate	MHz	80	Customizable
Repetition Rate Instability	Hz	< 100	
Pulse Energy	nJ	> 0.4	
Polarization	-	Linear	
Fiber Type	-	Space Light	
Fiber connector	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)mm	200(W)×121(D)×65(H)mm
Operation Temperature	5 ~ 35°C	
Operation Humidity	0~70%	

Ordering Information/Model Number						
FSPL	WL(nm)	Pulse Duration(fs)	Power(mW)	Freq(MHz)	Fiber	Packaging
	780	50/100/200/500	1/10/50/ 100	80/100	FS – Space Light	B - Desktop M - Module