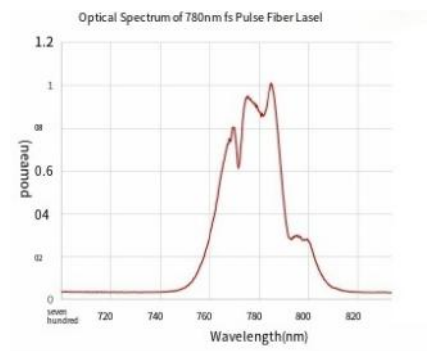


780nm Femtosecond Fiber Laser

The E-Fiber series ultrafast lasers adopt the latest femtosecond laser technology and optical frequency doubling technology to achieve stable output of femtosecond pulse lasers in the 780nm band. They can be automatically started with one button upon power-on and operate stably for a long time. They feature extremely narrow laser pulses and high peak pulse power, and are widely applied in optical frequency combs, terahertz waves, multi-photon imaging and other fields. Customization is available for parameters such as pulse width, power, and repetition frequency.



Features

- femtosecond pulse width
- Self-starting and maintenance-free
- High stability of full polarization maintenance

Application

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

Optical indicators	unit	Typical value	Note
Wave Long	nm	780±10	
Spectral width	nm	20	
Pulse width	fs	<100	Customizable
Output power	mW	>30	Customizable
Power instability	-	±1%	
Repetition frequency	MHz	80	Customizable
Instability of repetition frequency	Hz	<100	
Single-pulse energy	nJ	>0.4	
polarization state	-	Linear polarization	
Output format	-	Spatial light	
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%	

Ordering Information/Model						
FSPL	Wavelength(nm)	Pulse width(fs)	Power(mW)	Repetition frequency(MHz)	Output format	Encapsulation form
	780	50/100/200/50	1/10/50/100	80/100	FS=spatial light	B=desktop M=module