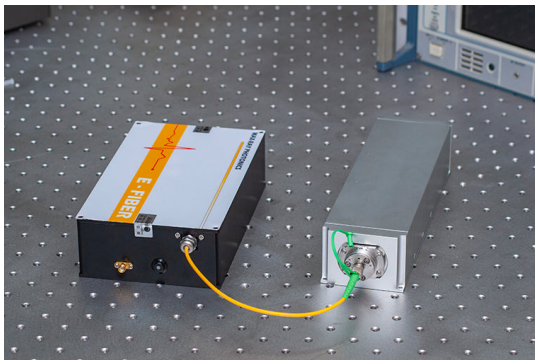
780nm Femtosecond Pulse Fiber Laser

FEMTOSECOND FIBER LASERS



The E-Fiber series ultrafast lasers employ the latest femtosecond laser technology and optical frequency doubling technology, enabling stable output of femtosecond pulse lasers in the 780nm wavelength band. They feature one-button auto-start upon powering on and long-term stable operation, with characteristics such as extremely narrow laser pulses and high pulse peak power. These lasers hold significant applications in fields including optical frequency combs, terahertz waves, and multiphoton imaging.

- Femtosecond Pulse Duration
- Robust and reliable
- Compact and turnkey
- Applications
- M ultiphoton imaging
- Two-photon absorption
- Ultrafast Optics

Specifications

Parameter	Specification
Wavelength (nm)	780±10
Optical spectrumwidth (nm)	20
Pulse Duration (fs)	<100
Output Power (mW)	>30
Power Instability	< ±1%
Repetition Rate (MHz)	80
Repetition Rate Instability (Hz)	< 100
Pulse Energy (nJ)	> 0.4
Polarization	Linear polarization
Output form	Free space
Warm time (min)	< 1

* Pulse Duration: Customizable
* Output Power: Customizable
* Repetition Rate: Customizable

Source: WaveQuanta product database. For ordering, customization (wavelength, power, package) and quotation, contact sales@wavequanta.com.