

1560nm Femtosecond Pulse Fiber Laser

FEMTOSECOND FIBER LASERS



The E-Fiber series of ultrafast lasers integrate the latest femtosecond laser technology, utilizing high-performance rare-earth fibers as the working medium. By combining high-precision dispersion compensation technology with an active servo system, they achieve stable output of femtosecond pulse lasers at the 1560nm wavelength. With one-button auto-start, they ensure long-term stable operation and are maintenance-free. These lasers are characterized by extremely narrow laser pulses and high peak pulse power, making them widely applicable in fields such as optical frequency combs, supercontinuum generation, terahertz (THz) technologies, and more. Customization of parameters such as pulse width, power, and repetition rate is available upon request.

- Pulse duration 90 fs
- Compact and turnkey
- Robust and reliable
- Applications
- Optical frequency comb
- Supercontinuum generation
- Terahertz research

Specifications

Parameter	Specification
Center Wavelength (nm)	1560± 30
Spectrum Width (nm)	≥ 60
Pulse Duration (fs)	<90 (typ. 60fs)
Average Power (mW)	≥100
Power Instability	< ±1%
Repetition Rate (MHz)	80 ~100
Repetition Rate Instability (Hz)	< 100
Pulse Energy (nJ)	≥ 1
Polarization	Linear polarization
Fiber Type	PM1550, FC/APC
Fiber connector (min)	< 1

* Spectrum Width: Overall width

* Fiber Type: Slow axis alignment

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