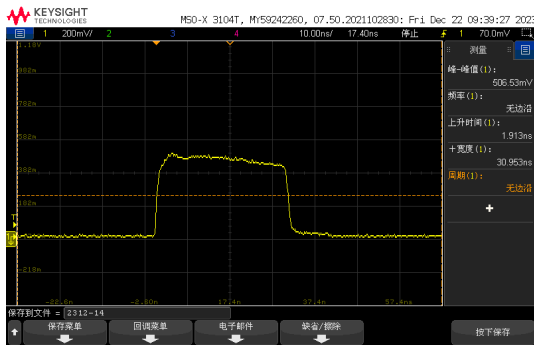


# 1550nm Nano-second Pulse Fiber Laser

## SINGLE-FREQUENCY & NANOSECOND LASERS



The nanosecond pulsed laser utilizes unique circuit and optical optimization designs, allowing the output laser pulse duration, peak power, and repetition rate to be adjustable. It operates with stable wavelength and power output, featuring a single-mode fiber output. The modular design facilitates system integration, making it suitable for distributed optical fiber sensing systems.

- All-fiber structure
- Lidar
- Pulse Duration / Freq / Power Adjustable
- Nonlinear Optics
- Benchtop or module packaging
- DTS

### Specifications

Parameter	Specification
Center Wavelength (nm)	1550±1
Optical Spectrumwidth (nm)	≤1
Output peak power (W)	5~ 5 Adjustable
Pulse Duration (ns)	5~3 Adjustable
Repetition Rate (kHz)	1~100 Adjustable
Short-term stability (15 minutes) (dB)	≤ ±0.02
Long-term stability (8 hours) (dB)	≤ ±0.05
Optical Fiber	SMF-28
Fiber connectors	FC/APC

\* Output peak power: Maximum power customizable

\* Pulse Duration: Pulse duration customizable

\* Short-term stability (15 minutes): ≤±0.5%

\* Long-term stability (8 hours): ≤±1.2%

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