



# Nanosecond Pulsed Fiber Laser FLJ Series

Data Sheet

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## Overview

The FLJ series is a line of near infrared high frequency all fiber pulsed lasers at 1030nm and 1550nm and emits output power levels up to 200mW. The laser is constructed with features of pulse duration <100ns, high peak power stability, good beam profile, ultra-compact design, long lifetime, cost effectiveness, and easy operation. It is commonly used in scientific research, laser radar, life science, optical simulation, microelectronics, and many other applications.

## Features

- 1030nm and 1550nm wavelengths
- Pulsed operating mode
- Optical output power 3mW to 200mW
- Pulse width <100ns
- Ultra-compact design

## Applications

- Laser radar
- Life science
- Optical simulation
- Microelectronics
- Scientific research

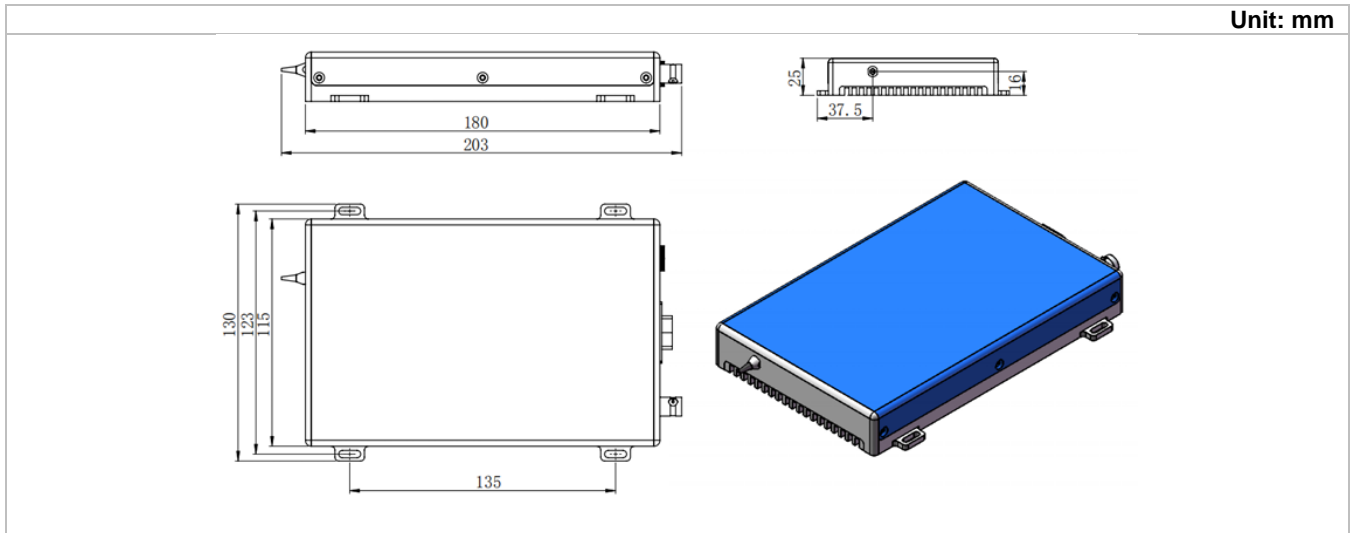
## 1030-1550 nm Specifications

Parameter	FLJ1030	FLJ1550
Wavelength	1030±1 nm	1550±1 nm
Operating mode	Pulsed	Pulsed
Peak power	~50 mW, ~100 mW, ~200 mW	~3 mW, ~5 mW, ~10 mW
Pulse width	5-100ns (adjustable)	5-100ns (adjustable)
Power stability (rms, over 4 hours)	<3%, <1%	<2%, <1%
Repetition frequency	1Hz-10MHz (adjustable)	1Hz-10MHz (adjustable)
M <sup>2</sup> factor	<1.2	<1.2
Polarization ratio	Random/>15dB	Random/>15dB
Delivery cable length	variable	variable
Warm-up time	<5 min	<5 min
Operating temperature	15~35°C	15~35°C
Expected lifetime	10,000 hours	10,000 hours
Warranty	10 months	10 months

## Remarks:

- The fiber lasers are designated solely as OEM components for incorporation into the customer's end products. It is the customer's responsibility to comply with FDA requirements of FDA 21CFR, section 1040.10 and 1040.11 for complete laser products. For the code of FDA regulations, please refer to [FDA Performance Standards for Light-Emitting Products](#) for detailed information.
- Specifications are subject to change without notice.

FLJ Series Laser Dimensions (unit: mm)



Parameter	FLJ Series
Dimensions	203(L) x130(W) x25(H) mm <sup>3</sup>
Weight	1 kg
Input voltage	12V DC

## Ordering Information

For more information, please contact Lasermate directly at [sales@lasermate.com](mailto:sales@lasermate.com).

<b>Part Number Configuration</b> <b>FLJ[1][2][3]</b>			
<b>FLJ = Laser Model Series</b>	<b>[1] = Wavelength</b>	<b>[2] = Pulse Energy</b>	<b>[3] = Power Stability</b>
	1030= 1030nm 1550= 1550nm	3= 3mW 5= 5mW 10= 10mW 50= 50mW 100= 100mW 200= 200mW	E= <3% 2= <2% D= <1%

Note: The above specifications are subject to change without notice.