

Rainbow 1064 OEM

1064 nm Ultrafast Fiber Laser

Rainbow 1064 OEM is a high-performance picosecond fiber laser that features excellent stability and reliability. The laser is highly compact, can be remotely controlled via software, and is well-suited for setting up optical and spectroscopic systems.

Rainbow 1064 OEM operates with a default repetition rate of 50 MHz (20-50 MHz optional) and an average output power > 200 mW. For more power, our Rainbow 1064 Pro can provide multi-Watt level output power with the same pulse width.

Rainbow 1064 OEM is widely adopted in applications such as high-power ultrafast amplifier seeding, supercontinuum generation, time-resolved excitation source and laser metrology.

Applications:

- Amplifier seeding
- Supercontinuum generation
- Nonlinear optics
- Laser metrology
- General-purpose ultrafast source

Main Specification

Laser Parameters

Central Wavelength	1064±2 nm	Average Power Stability	<0.5% RMS (12hrs@25°C)
Pulse Width (FWHM)	<15 ps	Polarization Extinction Ratio	>20 dB
Repetition Rate	50 MHz (20-50 MHz optional)	Pigtail Length	1 m (customizable)
Average Power	>200 mW	Output Type	PM SM fiber, FC/APC narrow key jumper

Electrical, Environmental and Mechanical Parameters

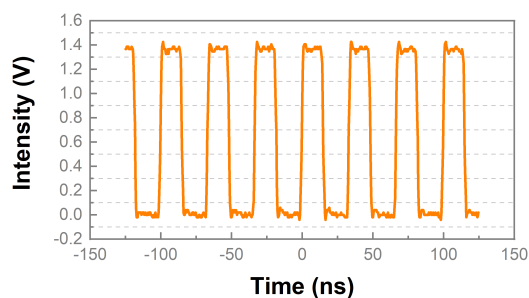
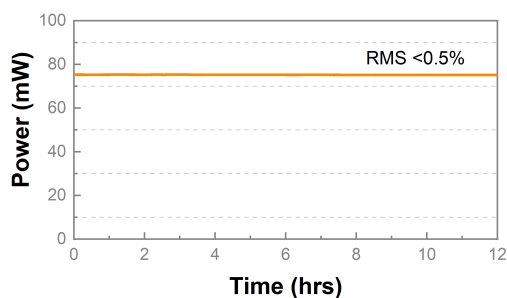
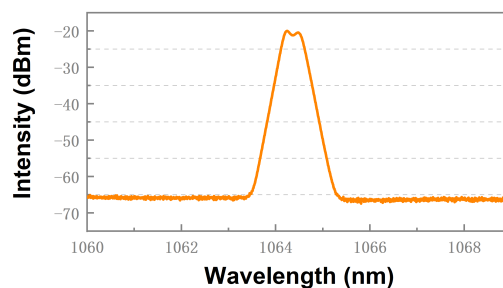
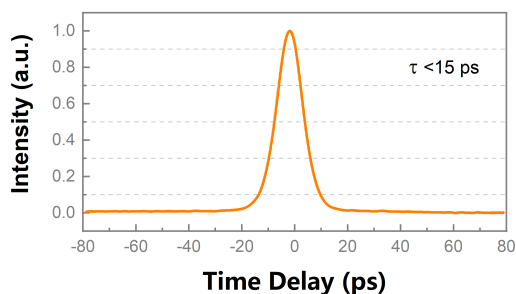
Supply Voltage	12 VDC	Dimensions	204×127×70 mm
Operational Temperature Range	15-35°C	Cooling	Air cooling
Operational Humidity Range	20~80% (non-condensing)		



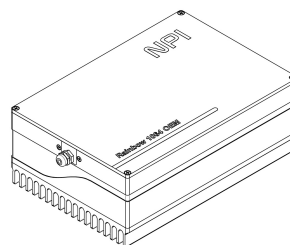
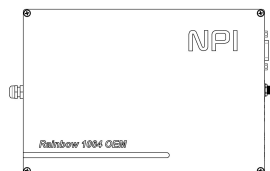
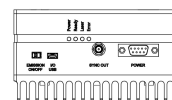
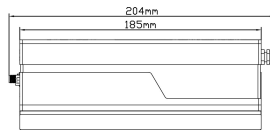
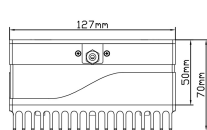
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Test Data



Machine Drawing



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CAUTION
CLASS 3B LASER RADIATION
WHEN OPEN
AVOID EYE OR SKIN EXPOSURE TO
DIRECT OR SCATTERED RADIATION