

Compact Laser for Handheld LIBS

CNI independently developed and manufactured compact 1064nm all-solid-state passively Q-switched laser, which features a small size and stable performance, making it ideal for integration as a built-in light source in handheld LIBS applications.

■ Features

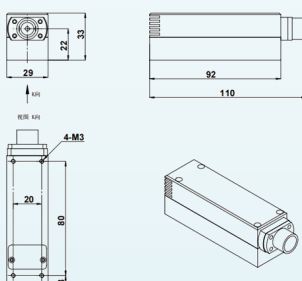
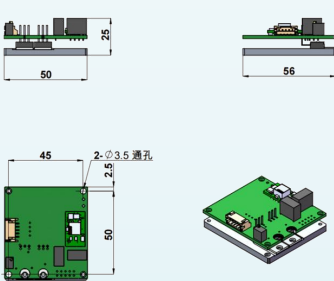
- ✧ Frequency tunable
- ✧ Exceptional Stability
- ✧ High-quality beam



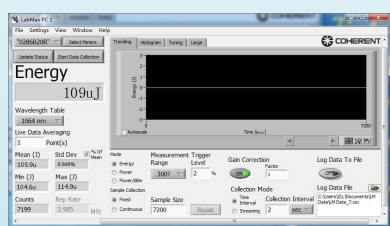
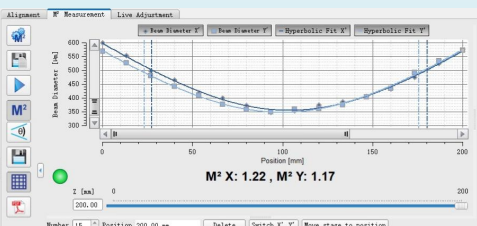
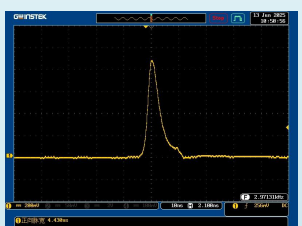
■ Specifications

Model	Single pulse energy	Pulse duration	Rep. rate
MPL-T-1064	1~100uJ	~4ns (1.5ns optional)	1~3kHz

■ Dimensions

 LASER HEAD: 110×29×33mm³, 0.34kg	 POWER SUPPLY: 56×50×25mm³, 0.07kg
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■ Test Data

 Energy Stability: 0.949% @ 4h	 $M^2 X: 1.22, M^2 Y: 1.17$	 Pulse Width: 4.430 ns
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The 1064nm DPSS passively Q-switched laser developed by CNI features a compact size and excellent beam quality, and is compatible with currently available LIBS equipment.



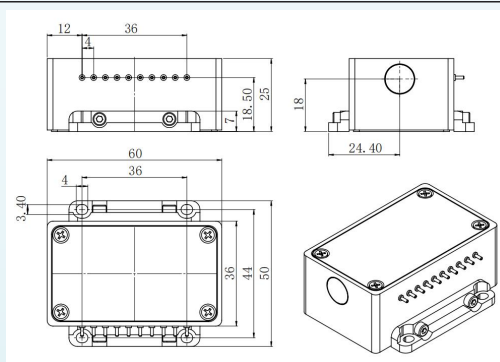
Features

- ✧ Easy integration
- ✧ High-quality beam
- ✧ Multiple power supply options (self-provided or CNI-customized)

Specifications

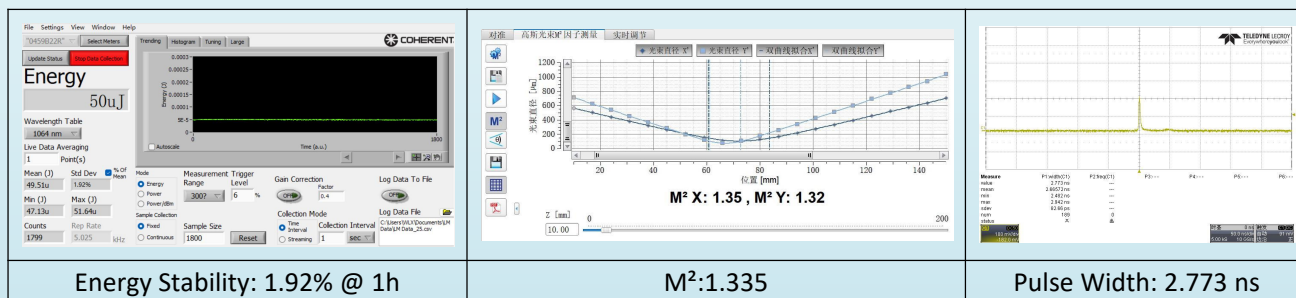
Model	Single pulse energy	Pulse duration	Rep. rate
EO-1064-P	1~30uJ	~2.6ns	5kHz

Dimensions



LASER HEAD: 60(L)×50(W)×25(H)mm³, 18.5g

Test Data



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