Pico/Nanosecond & CW DFB Laser
1018-1122nm, 1140-1188nm

Highly reliable, high-quality short pulsed/CW-DFB Laser source

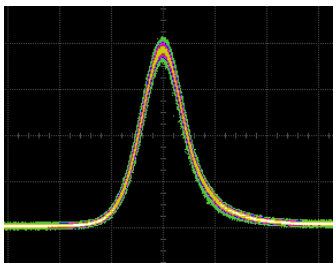
- Wide range of wavelengths and various pulse widths for enabling unique and advanced design of your equipment
- Highly stable pulse waveform without secondary peak for improving material processing and measuring accuracy
- Plug and play operation with optional driver board

PRISM AWARDS WINNER

Application examples

- Seeder for high power laser
  - Micromachining
  - LiDAR
  - Semiconductor inspection equipment

Ex. SHG, THG (1064→532→355nm)



Key Features

- Wide range of wavelengths (1018-1122nm, 1140-1188nm: Δλ=+/-1nm)
- Excellent gain-switching pulse waveform without secondary peak
- Various operation modes (burst mode, pulse repetition rate, pulse width)
- 15ps/50ps pulse for high precision micromachining, and inspection
- Nanosecond pulse for micromachining and LiDAR
- Plug and play operation with optional the CW and pulsed laser driver
- Customization option available (wavelength, operation mode, pulse width)

Specification

- Wavelength: 1018-1122nm, 1140-1188nm (1nm step)
- Pulse width: 15ps, 20ps, 50ps, 1ns-20ns (-50ns: option)

QD LASER

https://www.qdl-laser.com/
sales@qdlaser.com

Specification/Laser*

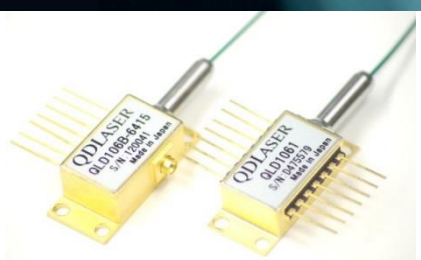
Pulse Width	15ps/20ps	50ps, 1-20ns	1-20ns	CW
Wavelength	1030nm 1064nm	1018-1122nm, 1140-1188nm	1030nm 1053nm 1064nm	1018-1122nm, 1140-1188nm
Peak Power (Pulsed)	>50mW	>100mW	>300mW >400mW	n/a
Optical Power (CW)	n/a	n/a	n/a	>30mW

Specification/Laser Driver*

Pulse Width	15-20ps	50ps-9ns	10ns-125ns	CW
Pulse Repetition Rate	12kHz- 200MHz	12kHz- 250MHz	3kHz- 1MHz	n/a
Maximum Current	100mA	200mA	2A	500mA 2A

Product Family

Butterfly Package



Laser Driver

TO-CAN Package

Gain Chip

*Please contact us for other wavelengths and options.

QD LASER

https://www.qdl-laser.com/
sales@qdlaser.com