

Pico/Nanosecond & CW DFB Laser

1018-1122 nm, 1140-1188 nm

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

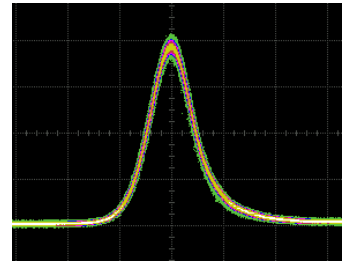
- Wide range of wavelengths and various pulse widths for enabling unique and advanced design of your equipment
- Highly stable pulse waveform without secondary peak for improving material processing and measuring accuracy
- Plug and play operation with optional driver board



Application examples

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

Ex. SHG, THG (1064→532→355 nm)



Key Features

- Wide range of wavelengths (1018-1122 nm, 1140-1188 nm: $\Delta\lambda = \pm 1$ nm)
- Excellent gain-switching pulse waveform without secondary peak
- Various operation modes (burst mode, pulse repetition rate, pulse width)
- 15 ps/50 ps 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: 1018-1122 nm, 1140-1188 nm (1 nm step)
- Pulse width: 15 ps, 20 ps, 50 ps, 1-100 ns





Specification/Laser*

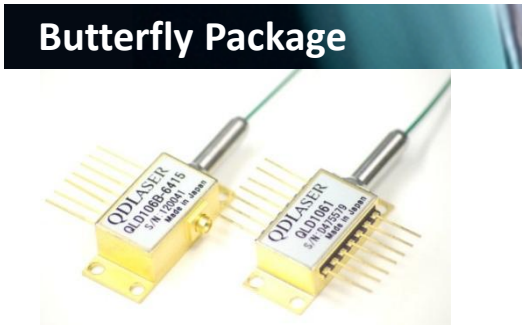
Pulse Width	15 ps/20 ps	50 ps, 1-100 ns	1-10 ns	CW
Wavelength	1030 nm 1064 nm	1018-1122 nm 1140-1188 nm		
Peak Power (Pulsed)	>50 mW	>100 mW	>300 mW >400 mW	n/a
Optical Power (CW)	n/a	n/a	n/a	>30 mW

Specification/Laser Driver*

Pulse Width	15 ps/20 ps	50 ps, 1-9 ns	10-125 ns	CW
Pulse Repetition Rate	12 kHz- 200 MHz	12 kHz- 250 MHz	1.5 kHz- 2 MHz	n/a
Maximum Current	100 mA	200 mA	2 A	500 mA 2 A

Product Family

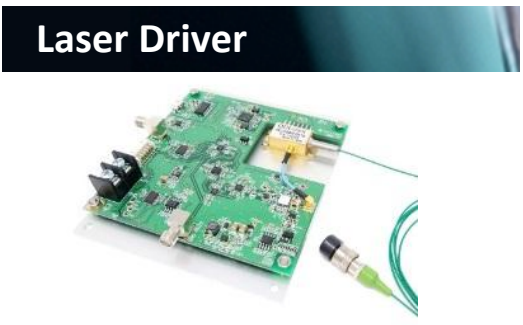
Butterfly Package



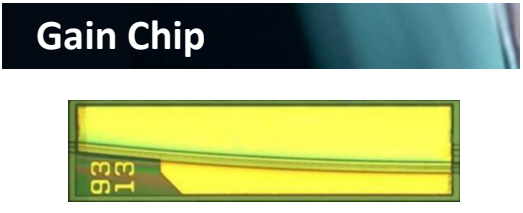
TO-CAN Package



Laser Driver



Gain Chip



*Please contact us for other wavelengths and options.

