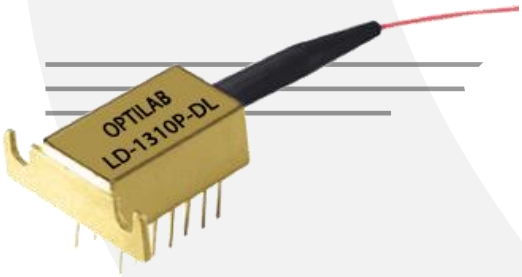
LD-1310P-DL



DEVICE

1310 nm Pulse Laser Diode, InGaAs Strained, 150mW Peak Power

OVERVIEW

The Optilab LD-1310P-DL is a high-power pulse laser diode that has been designed as a light source for pulsed fiber lasers. It can be used for Optical Time Domain Reflectometer (OTDR) and other pulse application. It feature high peak power and excellent reliability. House inside a Dual Inline package, LD-1310P-DL is extremely compact. Contact Optilab for more information.

FEATURES

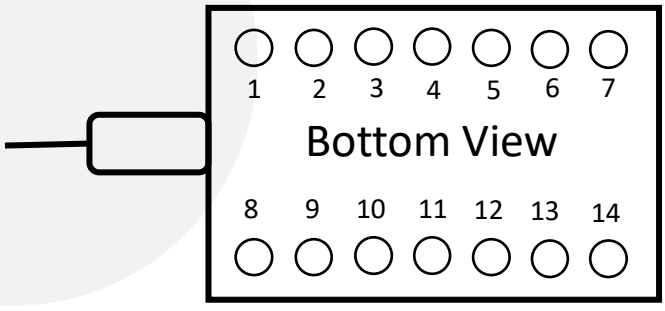
- Wavelength Range : 1310 +/- 10 nm
- High Peak Output power
- 150mW @ 400 mA
- Multi-Mode Fabry Perot
- Built in TEC

USE IN

- LiDAR
- Remote Sensing
- OTDR
- Optical spectroscopy

PIN OUT DIAGRAM

PIN#	INFORMATION	PIN#	INFORMATION
1	Cooler Anode	8	N/C
2	N/C	9	Laser Cathode
3	N/C	10	Laser Anode, Case Ground
4	N/C	11	Thermistor
5	Laser Anode, Case Ground	12	Thermistor
6	N/C	13	N/C
7	N/C	14	Cooler Cathode



LD-1310P-DL

SPECIFICATIONS

GENERAL

Wavelength Range	1310 ± 10 nm.
Peak Optical Output Power	100 mW typ @ 1% duty cycle.
Drive Current	400 mA @ 100 mW
Forward Voltage	2.5 V typ.
Threshold Current	20 mA typ.
Rise Time	1 ns typ (Highly depends on driving circuit)
Fall Time	1 ns typ (Highly depends on driving circuit)

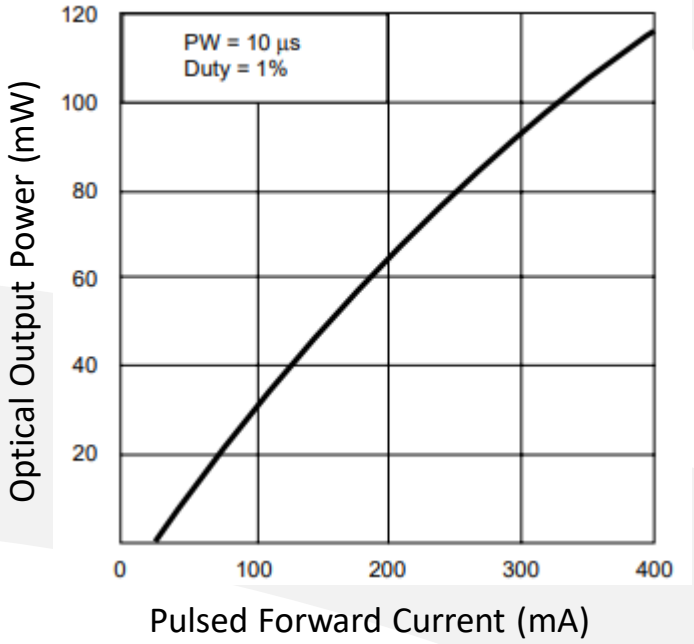
MECHANICAL

Operating Temperature	-20°C to +60°C
Storage Temperature	-40°C to +70°C
Operating Humidity	95% @ < 30°C
Optical Fiber Type	SMF
Optical Connector	FC/APC, others available

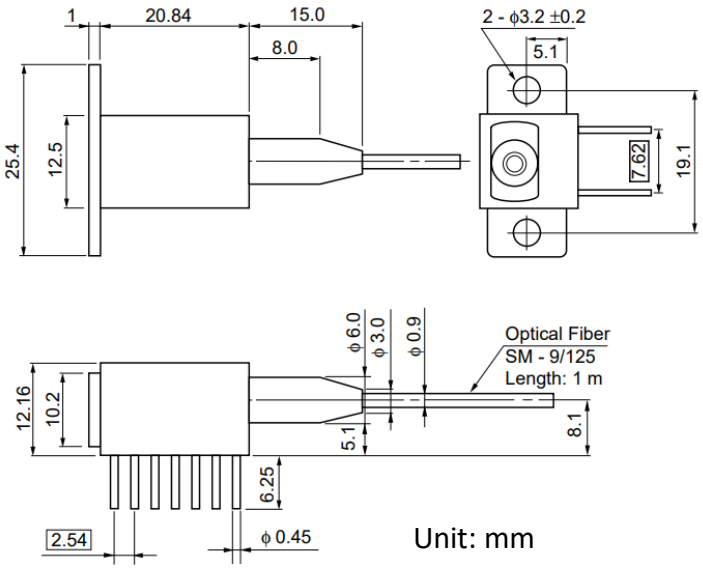
ABSOLUTE MAXIMUM RATINGS

Pulsed Forward Current	600 mA
Reverse Voltage	2 V
Cooler Current	1.3 A
Cooler Voltage	3.5 V

TEST DATA



MECHANICAL DRAWING



RELATED MODULES

- NPL-P

Phoenix Series, Portable

The Optilab NPL-P series is a Nanosecond Pulsed Laser Portable Photonics Instrument (PPI) series in handheld form factor with touchscreen control and intuitive GUI.