



LD-1310P-110



DEVICE

High Power Pulse Laser Diode, 1310 nm, 110 mW

OVERVIEW

The Optilab LD-1310P-110 is a 1310 nm pulse laser diode designed for OTDR application. It is packaged in compact coaxial housing. Featuring up to 110 mW peak output power, this product is ideal for optical time domain reflectometer (OTDR) system.

FEATURES

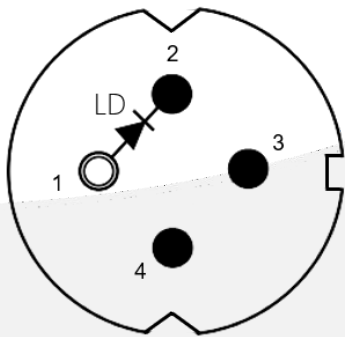
- 110 mW Output Pulse Peak Power
- F-P Laser Chip
- Up to 10 μ s Long Pulse Operation

USE IN

- OTDR System

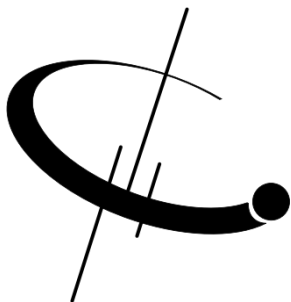
PIN OUT DIAGRAM

Bottom View



PIN #	Description
1	LD Anode & Case GND
2	LD Cathode
3	N.C.
4	N.C.





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SPECIFICATIONS

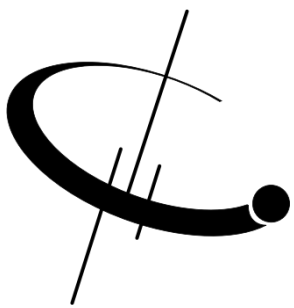
Optical & Electrical Data

Forward Voltage	3.5V max.
Threshold Current	10 mA typ.; 15 mA max.
Operating Current	700 mA min.; 750 mA typ.
Optical Output Power	110 mW min.; 120 mW typ.
Center Wavelength	1310±20 nm
Spectral Width	4 nm max.
Rise Time	0.5 ns typ.; 1.0 ns max.
Fall Time	0.5 ns typ.; 1.0 ns max.

Absolute Maximum

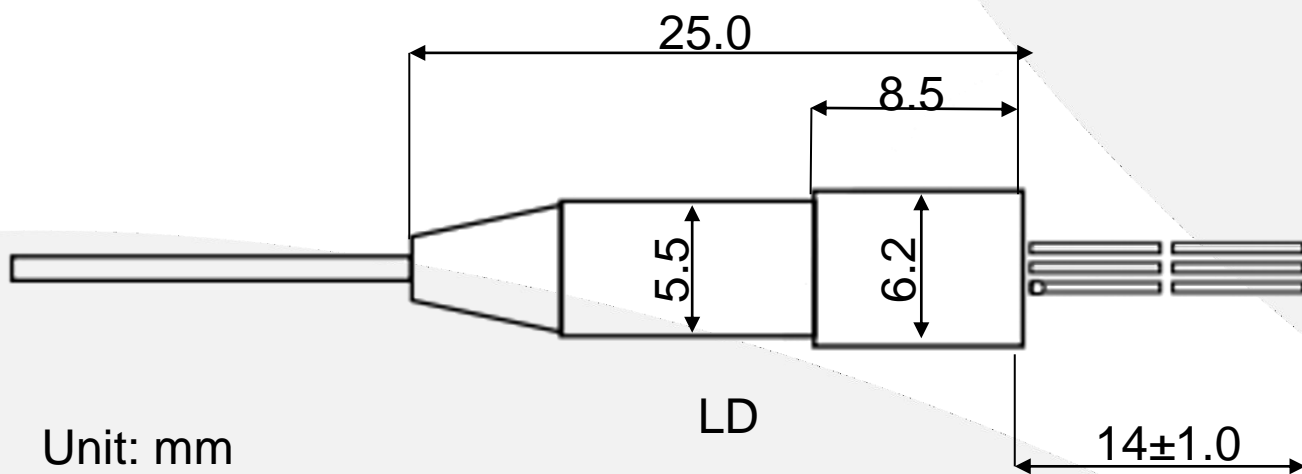
Pulsed Forward Current	1000 mA
Reverse Voltage	2.0V
Operating Case Temperature	0 °C to +60 °C
Storage Temperature	-40 °C to +85 °C
Lead Soldering	260°C, 10 Sec
Relative Humidity	85%, Non-condensing





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MECHANICAL DRAWING



Unit: mm

Heat Sink:

