

# 1103 Pulse Laser Diode

LD-1310P-110



## 1310 nm Pulse Laser Diode, 110 mW Peak Power

The Optilab LD-1310P-110 is a 1310 nm pluse laser diode, packaged in compact coaxial housing. It features a 110 mW output power and 10  $\mu$ s pulse width. This product can be used for optical time domain reflectometer (OTDR) system.

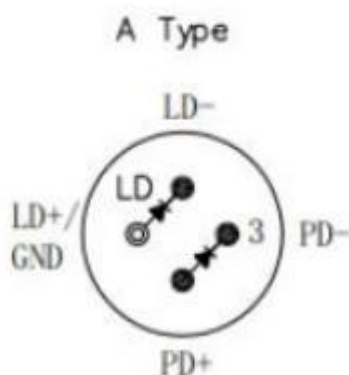
### FEATURES

- High Output Power  
 $P_F=110$  mW@ $I_{FP}=770$  mA
- Pulse Width (PW)=10  $\mu$ s, Duty=1%
- Long Wavelength  $\lambda_C=1310$  nm F-P Laser Chip

### USE IN

- OTDR System

### FUNCTIONAL DIAGRAM



### Type 1 Pinout

Pin 1	LD Anode and Case
Pin 2	LD Cathode
Pin 3	PD Anode
Pin 4	PD Cathode

**Order notes to our customers:** The default parameters are as follows. For special needs, please contact sales.

**1) Connector FC/APC, 900  $\mu$ m, 1 m by default for all devices except for high power devices.**

**2) Slow axis working, fast axis blocked, connector key is aligned to slow axis by default for PM devices.**

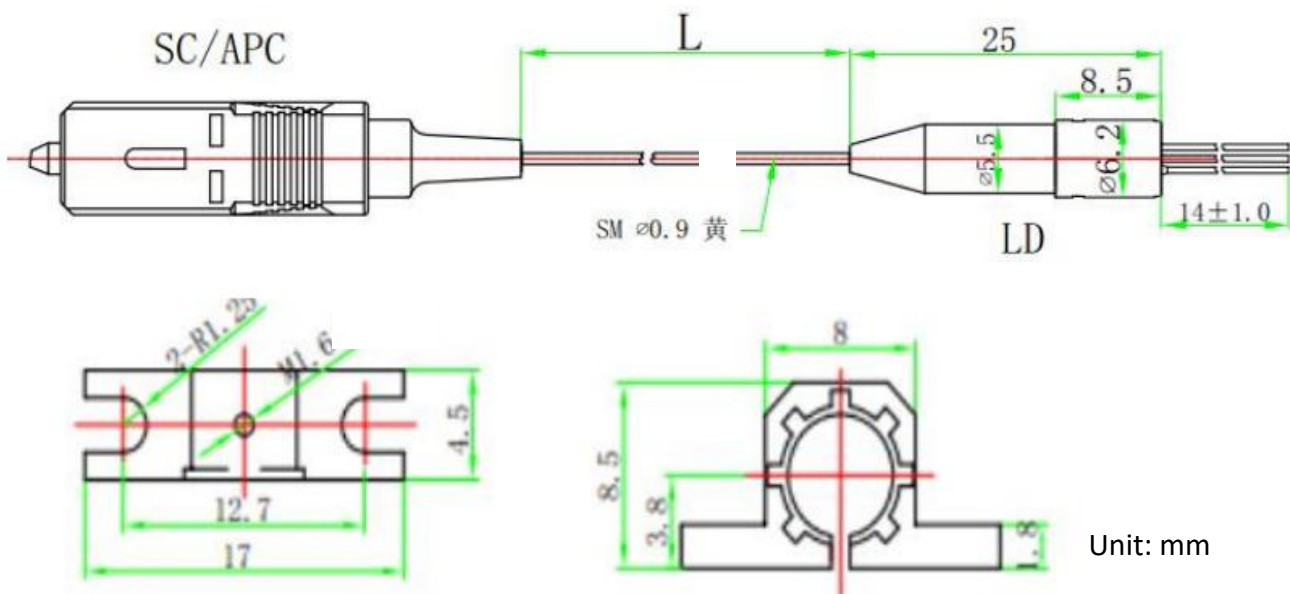
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Forward Voltage	3.5V max.
Threshold Current	10 mA typ.; 15 mA max.
Operating Current	700 mA min.; 750 mA typ.
Optical Output Power	110 mW min.; 120 mW typ.
Center Wavelength	1310±20 nm
Spectral Width	4 nm max.
Rise Time	0.5 ns typ.; 1.0 ns max.
Fall Time	0.5 ns typ.; 1.0 ns max.
Pulsed Forward Current	1000 mA
Reverse Voltage	2.0 V
Operating Case Temperature	0 °C to +60 °C
Storage Temperature	-40 °C to +85 °C
Lead Soldering	260 °C, 10 Sec

## MECHANICAL DRAWING



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