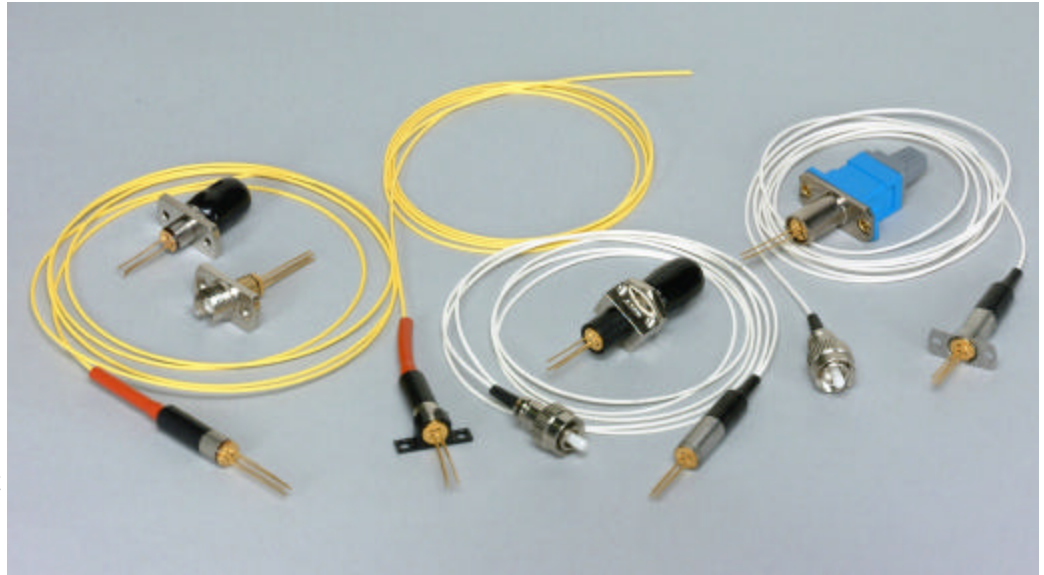


PD-LD Inc. offers a variety of packaging options for its' Fabry Perot Series of laser diodes. These units are available in ready-to-use, fiber-coupled packages, including FC, ST, and SC receptacles, as well as fiber-pigtailed units.

The InGaAsP MQW laser diodes offered by PD-LD are of proven design and manufacture; the standard wavelengths are centered at 1310 and 1550nm. Fiber-coupled CW (continuous-wavelength) output powers range from 0.1 - 2 mW, depending on the fiber type and desired performance level. Tracking error over OTR -40 to +85C is +/-1.0 dB maximum.

Optional board- or panel-mount flanges are available for pigtailed devices; contact PD-LD Sales. Also, PD-LD Inc. will package non-standard lasers or parts specified by a customer using standard or custom receptacle or pigtail techniques. Both receptacle and pigtail packages are made using an active micro-positioning system and proven packaging techniques. Reliable and efficient devices are produced.

PD-LD offers two popular pin-outs for FP lasers to address various existing PCB layouts.



Features

- Internal Monitor Photodetector
- Compact, reliable receptacle & coax fiber-coupled package
- 0.1 - 2.0 mW singlemode (9/125)
- 1.7nm RMS Spectral Width
- 1.5 GHz Bandwidth

Applications

- Fiberoptic communications systems
- Fiberoptic test instrumentation

Performance Specifications

PD-LD Part No. ¹	Wavelength (nm) Min. Typ. Max.	Min. Fiber Coupled Power (mW)	Pin-out	Threshold Current (mA) Typ. Max.	Operating Current (mA) Typ. Max.	Monitor PD Current (mA) Min. Typ.
Continuous Wavelength InGaAsP MQWLasers @ 25C						
PL13B001100A-0-0-01	1290 1310 1330	1 mW into 9/125 SMF	"H"	5 15	20 35	InGaAs 0.1 0.8
PL13B0.5ST71-S-0	1290 1310 1330	0.5mW ST Receptacle	"H"	5 15	20 35	InGaAs 0.1 0.8
PL13P0021FAA-0-0-01	1295 1310 1325	2 mW into 9/125 SMF	"T"	10 20	20 35	InGaAs 0.1 0.8
PL13P001FC11-S-0	1295 1310 1325	1 mW FC Recptacle	"T"	10 20	20 35	InGaAs 0.1 0.8
PL15B001FC11-S-0	1530 1550 1570	1 mW into 9/125 SMF	"H"	10 20	30 50	InGaAs 0.1 0.8
PL15P0.51FCA-0-0-01	1530 1550 1570	0.5 mW into 9/125 SMF	"T"	10 20	20 35	InGaAs 0.1 0.8
PL15P0011FCA-0-0-01	1530 1550 1570	2 mW into 9/125 SMF	"T"	10 20	20 35	InGaAs 0.1 0.8

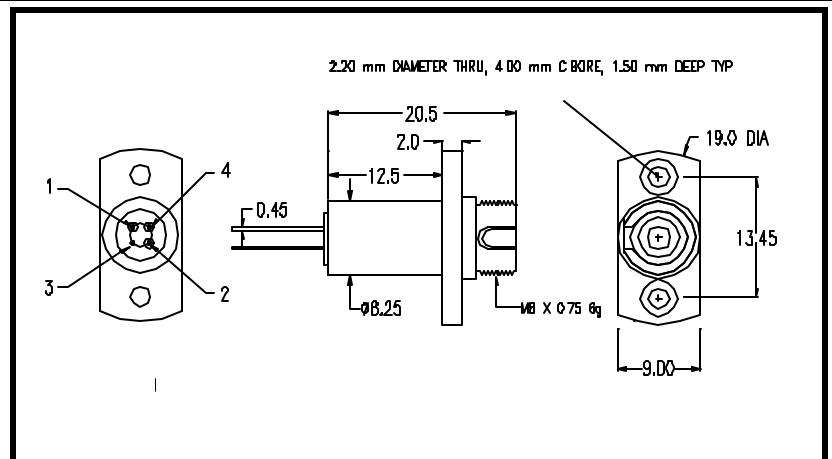
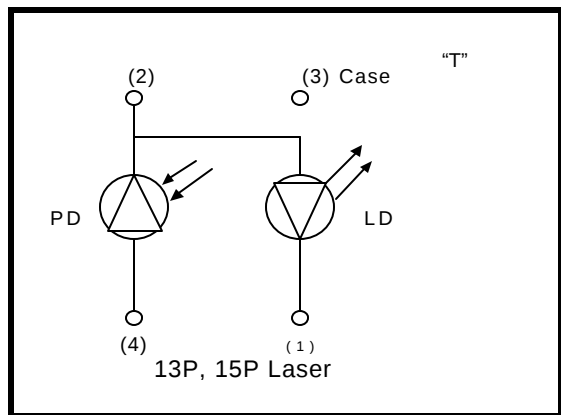
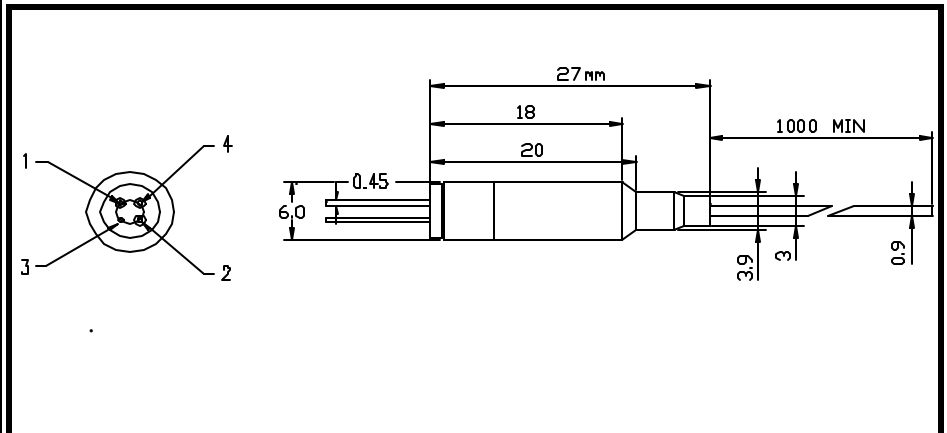
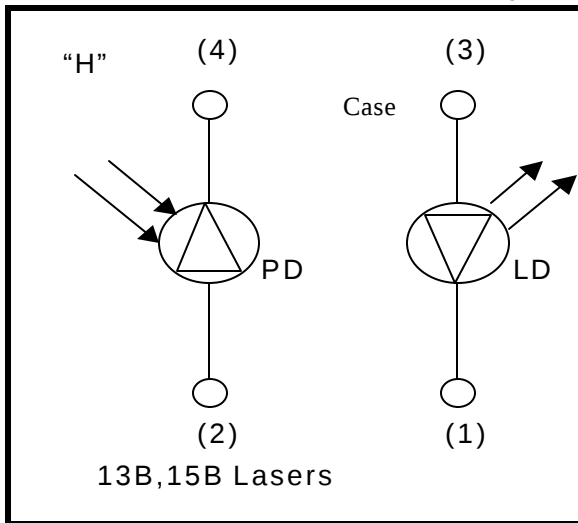
¹ Examples only; most device/packaging combinations available.

Changes to specifications may be made without notice.

07-02PLFP1315. Rev.3

PLD L1315FP- Series Laser Diodes for Fiber Optics

Physical Dimensions (mm) & Pin Connection



Ordering Information

Lasers Pigtailed

PLWWWPPPFCCB-0-V-LL

L = Laser

WWW=Wavelength and Pin-out

1310nm:13B,13P

1550nm:15B, 15P

Laser Receptacle

PLWWWPPPRRRF-O-V

PPP = Fiber-Coupled Power

.1 = 0.10 mW (100 µW)

0.2 = 0.20 mW (200 µW)

0.5 = 0.5 mW (500 µW)

0.8 = 0.8 mW (800 µW)

001 = 1.0 mW

002 = 2.0 mW

F = Fiber Type

1 = 9/125 SMF

2 = 50/125 MMF

3 = 62.5/125 MMF

4 = 100/140 MMF

9 = Customer Supplied

B = Bracket Type

A = None

B = Panel Mount

C = Board Mount

RRR=Receptacle Type

FC1=FC Panel mount

FC2=FC Board mount

SC1=SC Panel mount only

SC2=SC Panel/board mount

ST7=ST low profile

ST8=ST high profile

O=Orientation

0=N/A

A=Bracket Shipped Loose (pigtailed unit)

Specify orientation as required

V=Version

0=Standard

Unique Codes for specific requirements

LL = Length in meters (01,02,0.5 ect.) (pigtailed devices only)

CC = Connector Type (pigtailed devices only)

ST = ST/PC

SC = SCPC

SA=SC/APC

FC = FC/PC

FA = FC/APC

FU = FC/UPC

OO = No Connector