

## 400-2300nm Polarization Maintaining Patchcord



### Description

The LD-PD'S PL- PMP Series is PM Patchcord series has excellent environmental stability, high return loss, low insertion loss. It is ideal for PM amplifiers, fiber lasers and test instrumentation applications. We can help Customize according to Customer's Requirements.

### Features

- High Power Stability
- Low Insertion Loss
- High Isolation
- High Extinction Ratio

### Application

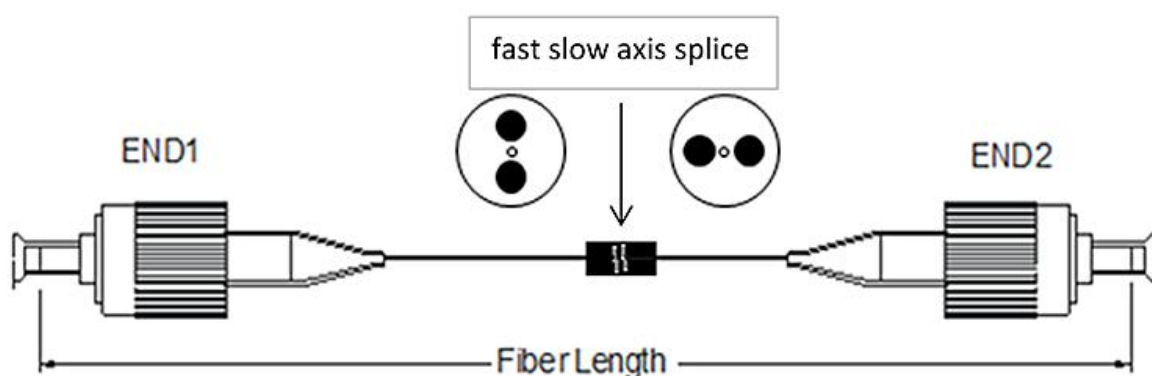
- PM amplifiers
- Fiber lasers
- Test instrumentation

## Optical Characteristics

Tsub=25°C, CW bias unless stated otherwise

Parameter	Unit	Value
Wavelength	nm	1060 or specify
Typ. Insertion Loss	dB	0.4
Max. Insertion Loss	dB	0.6
Min. Extinction Ratio	dB	23
Min. Return Loss	dB	UPC: 50      APC: 60
Max. Optical Power (Continuous Wave)	mW	300
Fiber Length Tolerance	%	± 10 or specify
Operating Temperature	°C	-5 to +70
Storage Temperature	°C	-40 to +85

## Package Size



## FUD3460 Fiber Nominal Characteristics and Tolerances

Parameters	Specification
Operating Wavelength	980 – 1200 nm
Core NA	0.085
Mode Field Diameter(Gaussian)	$10.5 \pm 0.5 \mu\text{m}$ @ 1060 nm
Cutoff	$940 \pm 40 \text{ nm}$
Beat Length	$\leq 0.5 \mu\text{m}$
Mode Field diameter	$\leq 3.5 \text{ mm}$ @ 1060 nm

## Ordering Info

**PL- PMP -☆- W□□□□-□□-□-XX (PMP: Polarization Maintaining Patchcord)**

☆: Fiber length

1: 1m

0.5: 0.5m

10: 10m

C: Customize

W□□□□: Wavelength

850: 850nm

1030: 1030nm

1064: 1064nm

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1550: 1550nm

□□: Fiber Jacket

2LT: 2mm Loose Tube

L: 900um Loose tube

C: Customize

□: Working axis

F: Fast axis alignment

S: Slow axis alignment

XX: Fiber and Connector Type

FUDA= FUD-3460 10/125 fiber + FC/APC

FUDP= FUD-3460 10/125 fiber + FC/PC

FUDN= FUD-3460 10/125 fiber+None

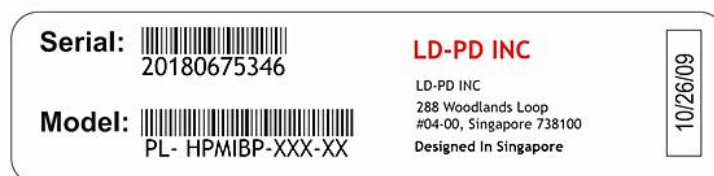
PP= PM 20/125 fiber + FC/PC

PA= PM 20/125 fiber + FC/APC

## Labeling

Laser Components Safety

Due to the small size of the Fiber optic module, the box packaging is labeled with the laser radiation hazard symbol and safety warning labels shown below:



Shipping box label

## User Safety

### Safety and Operating Considerations

The laser light emitted from this laser diode is invisible and may be harmful to the human eye. Avoid looking directly into the fiber when the device is in operation.

**CAUTION: THE USE OF OPTICAL INSTRUMENTS WITH THIS PRODUCT INCREASES EYE HAZARD.**

Operating the laser Components outside of its maximum ratings may cause device failure or a safety hazard. Power supplies used with this component cannot exceed maximum peak optical power.