

# 850nm 30mW Coaxial Packaged Polarization Maintaining Fiber Coupled Laser



## ● Product Description

Coaxial fiber-coupled laser is a low-cost fiber-coupled laser launched by Idealphotonics. It has the advantages of small package size and high output power. Our products are widely used in laser communication, printing and laser medical fields.

## ● Part Number

LP-850-PM-FA-C

## ● Product features

Working wavelength 850nm Polarization-maintaining fiber、 High reliability,  
high polarization extinction ratio、 Built-in detector

## ● Application area

Medical field、 Printing and printing、 Fiber laser

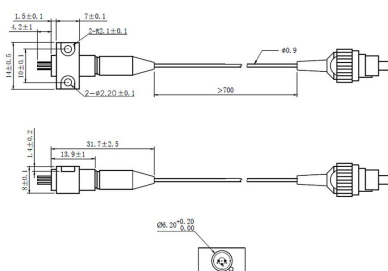
## Parameters

### Dimensional Drawing

Coaxial Package View: (Part Number: WSLP-850-030m-PM-PD)



B82 package view: (Part Number: WSLP-850-030m-PM-B-PD)

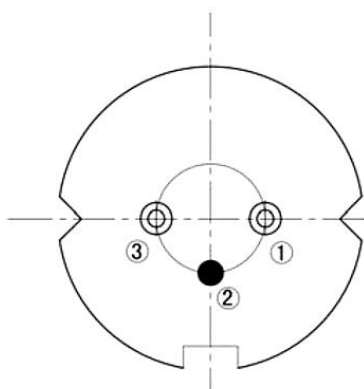


### Parameters

parameter	Min.	Typical	Max.
Central wavelength@25℃	840nm	850nm	860nm
Output power		30mW	
Fiber type		PM fiber	
Spectral width		0.5-2nm	
Fiber core		5um	
Polarization extinction ratio	13dB	15dB	-
Monitor current	-	0.3mA	-
Fiber connector		FC/APC	
Fiber length	-	80cm	100cm
Threshold current(typical)	-	45mA	100mA
Operating current(typical)	-	200mA	220mA

Operating voltage	-	2.4V	2.8V
Backward voltage Vr	2.0V		
Operating temperature	-10-+60℃		
Storage temperature	-40-+85℃		
Package	Coaxial or B82		

PIN bottom view and pin definition



1	LD(-)
2	LD(+) & PD(-)
3	PD(+)

Ordering information

Name: 850nm 30mW Coaxial packaged PM fiber coupled laser diode

PN#: LP-850PM-FA-C

Operating wavelength: 850nm

Fiber type: PM fiber

connector: FC/APC

output power:30mW