


## 830nm 50mw SM Fiber Coupled LD with Polarization Maintaining Fiber (PM Fiber)

### 830nm SM Pigtailed Laser Diode with PMF

WSLP-830-050m-PM-PD

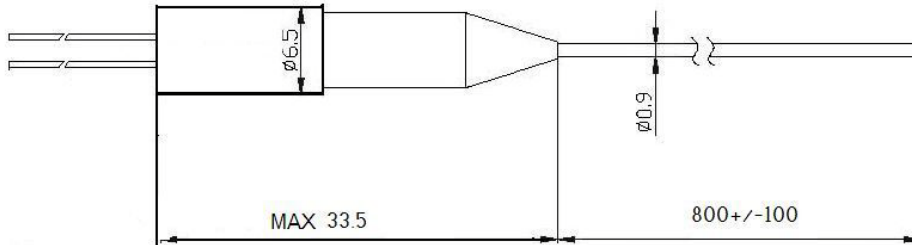
Wavespectrum Laser Group

www.wavespectrum-laser.com

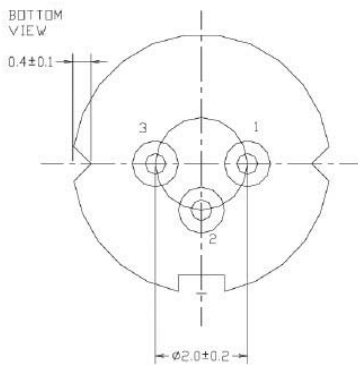
830nm Pigtailed Diode Laser		50mW/PM Fiber		Wavespectrum Laser, Inc	
PARAMETER	SYMBOL	VALUE		UNIT	
Reverse Voltage	$V_r$	2.0		V	
Operating Temperature	$T_{op}$	-10 ~ +60		°C	
Storage Temperature	$T_{stg}$	-40 ~ +85		°C	
Lead soldering temperature (10 sec.)	$T_{is}$	260		°C	
<b>Features:</b> <ul style="list-style-type: none"> <li>• 830nm</li> <li>• PM Fiber</li> <li>• Coaxial package</li> <li>• Built-in PD</li> </ul>					
<b>Applications:</b> <ul style="list-style-type: none"> <li>• Medical laser treatment</li> <li>• Others</li> </ul>					
<b>Specifications</b>	<b>WSLP-830-050m-PM-PD</b>				
	Min	Type	Max		
Center Wavelength@25°C	820nm	830nm	840nm		
Recommend Operating Temperature	25°C				
Output Power	----	50mw	----		
Fiber Type	PM Fiber				
Fiber Core	5um				
Monitor Current	----	0.5mA	0.8mA		
PD Reverse Voltage	----	30V	----		
Fiber Connector	FC				
Fiber Length	----	80cm	100cm		
Threshold Current (Typ.)	----	70mA	85mA		
Operating Current (Typ.)	----	190mA	200mA		
Operating Voltage	----	1.8V	2.5V		
Package Style	Coaxial				
PD	Built-in				



**Coaxial Package View**



**PIN Bottom View:**



<b>1</b>	<b>LD(-)</b>
<b>2</b>	<b>LD(+)&amp;PD(-)</b>
<b>3</b>	<b>PD(+)</b>

Electrically shorten LD module and store in non-extreme conditions.  
Suggest using the constant current power supply.



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