


## 820nm 50mW PM Fiber Coupled Laser Diode with Coaxial Package | Infrared LD

### 820nm 50mW~60mW Coaxial Pigtailed LD with Polarization Maintaining Fiber (SM Fiber)

WSLP-820-050m-PM-PD

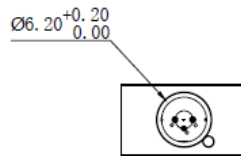
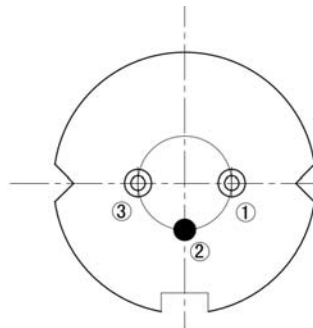
Wavespectrum Laser Group

[www.wavespectrum-laser.com](http://www.wavespectrum-laser.com)

820nm Pigtailed Diode Laser		50mW/PM Fiber		en.wavespectrum-laser.com.cn	
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>820nm</li> <li>PM Fiber</li> <li>High Reliability</li> <li>High Polarization Extinction Ratio</li> </ul>					
<b>Applications:</b> <ul style="list-style-type: none"> <li>Biological Instruments</li> <li>Analytical Equipment</li> <li>Others</li> </ul>					
<b>Specifications</b>	<b>WSLP-820-050m-PM-PD</b>				
	Min	Type		Max	
Center Wavelength@25°C	820nm±10nm				
Recommended work Temperature	25°C				
Output Power	----	50mW		----	
Fiber Type	Polarization Maintaining Fiber				
Fiber Core	5um				
Polarization Extinction Ratio	13dB	15dB		----	
Monitor Current	----	0.3mA		----	
Fiber Connector	FC/APC				
Fiber Length	>80cm				
Threshold Current (Typ.)	----	30mA		60mA	
Operating Current (Typ.)	----	200mA		220mA	
Operating Voltage	----	2.3V		2.8V	
Package Style	Coaxial or B82				
High Polarization Extinction Ratio (PER) Version Laser Module is also available, please contact us.					



**Coaxial Package View: (Part Number: WSLP-820-050m-PM-PD)**

**B82 Package View: (Part Number: WSLP-820-050m-PM-B-PD)**

**PIN Bottom View:**


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



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

