


785nm 20mw~30mw SM Pigtailed Laser diode with SMF

780nm~785nm SM Fiber Coupled LD With Single Mode Fiber (SM Fiber)

WSLP-785-020m-4-PD

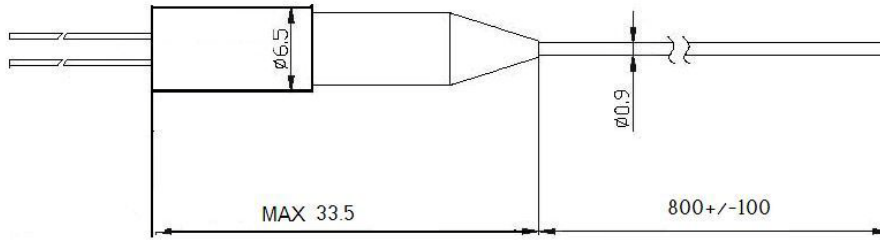
Wavespectrum Laser Group

www.wavespectrum-laser.com

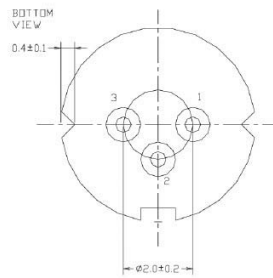
785nm Pigtailed Diode Laser		20mW/SM Fiber		Wavespectrum Laser, Inc	
PARAMETER	SYMBOL	VALUE	UNIT		
Reverse Voltage	$V_r$	2.0	V		
Operating Temperature	$T_{op}$	-10 ~ +60	°C		
Storage Temperature	$T_{stg}$	-40 ~ +85	°C		
Lead soldering temperature (10 sec.)	$T_{is}$	260	°C		
<b>Features:</b> <ul style="list-style-type: none"> <li>• 785nm</li> <li>• SM 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-785-020m-4-PD</b>			
	Min	Type	Max		
Center Wavelength@25°C	775nm	785nm	795nm		
Recommend Operating Temperature	25°C				
Output Power	----	20mw	30mw		
Fiber Type	Single Mode Fiber				
Fiber Core	4um				
Monitor Current	----	0.2mA	0.5mA		
PD Reverse Voltage	----	30V	----		
Fiber Connector	FC				
Fiber Length	----	80cm	100cm		
Threshold Current (Typ.)	----	30mA	50mA		
Operating Current (Typ.)	----	140mA	160mA		
Operating Voltage	----	2.0V	2.4V		
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>

**OR**

<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.



Wavespectrum Laser, Inc.  
www.wavespectrum-laser.com  
wavespectrumlaser@gmail.com

