

## 635nm 80mw SM Coaxial Pigtailed LD with PM Fiber

### 635nm Fiber Coupled Laser diode with Polarization Maintaining Fiber

WSLP-635-080m-PM

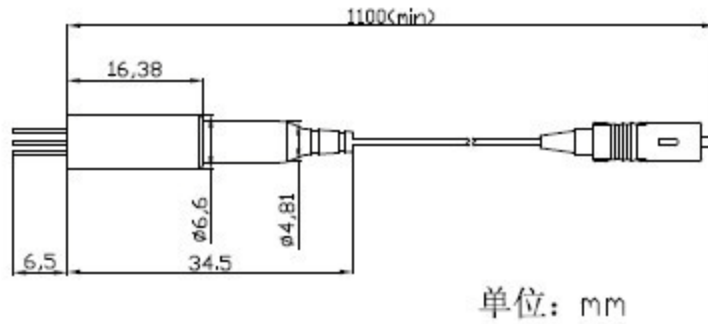
Wavespectrum laser inc.

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

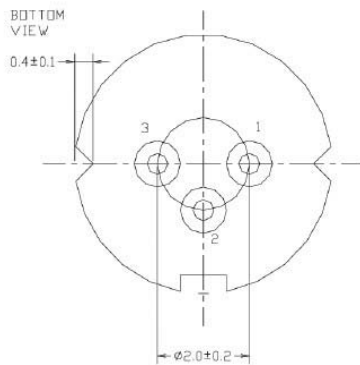
PARAMETER	SYMBOL	VALUE	UNIT
Reverse Voltage	$V_r$	2.0	V
Operating Temperature	$T_{op}$	-5 ~ +60	°C
Storage Temperature	$T_{stg}$	-40 ~ +100	°C
Lead soldering temperature (10 sec.)	$T_{is}$	260	°C
<b>Features:</b> <ul style="list-style-type: none"> <li>● 635nm</li> <li>● 4um PM Fiber</li> <li>● Coaxial package</li> <li>● High Coupling Efficiency</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-635-080m-PM</b>		
	Min	Type	Max
Center Wavelength@25°C	632nm	638nm	643nm
Recommend Work Temperature	25°C		
Output Power	----	80mW	----
Fiber Core	4um Polarization Maintaining Fiber		
Slope Efficiency	0.5mW/mA	0.95mW/mA	1.2mW/mA
Monitor Current	----	----	----
PD Reverse Voltage	----	----	----
Fiber Connector	FC/ST/SMA905		
Fiber Length	----	80cm	100cm
Threshold Current (Typ.)	55mA	80mA	105mA
Operating Current (Typ.)	150mA	230mA	290mA
Operating Voltage	2.2V	2.6V	3.0V
Package Style	Coaxial		



Coaxial Package View



PIN Bottom View:



1	LD(+)
2	GND
3	LD(-)

Electrically shorten LD module and store in non-extreme conditions.

Suggest using the constant current power supply.

**Caution**  
 On operation, If optical connectors are unterminated, modules can emit invisible laser radiation. Radiation emitted by laser devices can be dangerous to the eyes. Avoided eye or skin exposure to direct or scattered radiation

