

## 980nm 10mW PM Fiber Coupled Laser Diode with Coaxial Package | Infrared LD Module

976nm~980nm 10mW Coaxial Pigtailed LD with Polarization Maintaining Fiber (SM Fiber)

WSLP-980-010m-PM-PD

Wavespectrum Laser Group

www.wavespectrum-laser.com

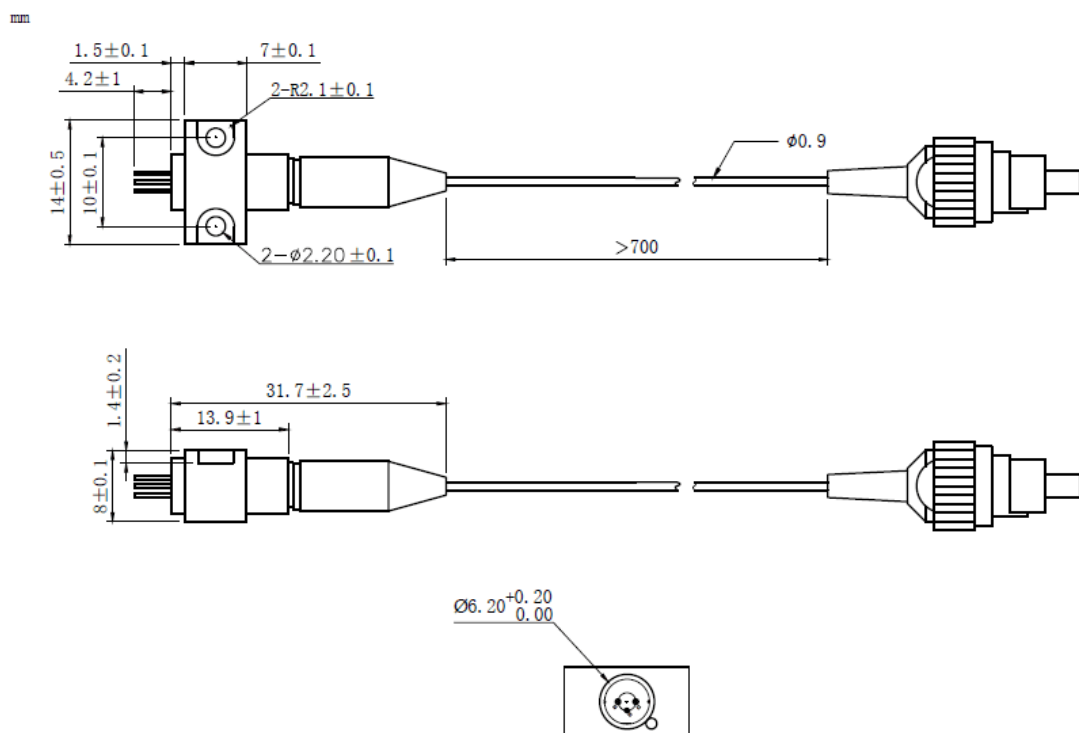
| 980nm Pigtailed Diode Laser                                                                                                                                                                                                         |     | 10mW/PM Fiber                                                                                 |           | en.wavespectrum-laser.com.cn |      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------------------------------------------------------------------------------------------|-----------|------------------------------|------|
| PARAMETER                                                                                                                                                                                                                           |     | SYMBOL                                                                                        | VALUE     |                              | UNIT |
| Reverse Voltage                                                                                                                                                                                                                     |     | V <sub>r</sub>                                                                                | 2.0       |                              | V    |
| Operating Temperature                                                                                                                                                                                                               |     | T <sub>op</sub>                                                                               | -10 ~ +40 |                              | °C   |
| Storage Temperature                                                                                                                                                                                                                 |     | T <sub>stg</sub>                                                                              | -40 ~ +85 |                              | °C   |
| Lead soldering temperature (10 sec.)                                                                                                                                                                                                |     | T <sub>is</sub>                                                                               | 260       |                              | °C   |
| <div>Features:</div> <div><div><div></div><div>976nm</div></div><div><div></div><div>PM Fiber</div></div><div><div></div><div>High Reliability</div></div><div><div></div><div>High Polarization Extinction Ratio</div></div></div> |     | <div></div> |           |                              |      |
| <div>Applications:</div> <div><div><div></div><div>Biological Instruments</div></div><div><div></div><div>Analytical Equipment</div></div><div><div></div><div>Others</div></div></div>                                             |     |                                                                                               |           |                              |      |
| Specifications                                                                                                                                                                                                                      |     | WSLP-980-010m-PM-PD                                                                           |           |                              |      |
|                                                                                                                                                                                                                                     | Min | Type                                                                                          |           | Max                          |      |
| Center Wavelength@25℃                                                                                                                                                                                                               |     | 976nm±15nm                                                                                    |           |                              |      |
| Recommended work Temperature                                                                                                                                                                                                        |     | 25℃                                                                                           |           |                              |      |
| Output Power                                                                                                                                                                                                                        |     | ----                                                                                          |           | 10mW                         |      |
| Fiber Type                                                                                                                                                                                                                          |     | Polarization Maintaining Fiber                                                                |           |                              |      |
| Fiber Core                                                                                                                                                                                                                          |     | 6um                                                                                           |           |                              |      |
| Polarization Extinction Ratio                                                                                                                                                                                                       |     | 13dB                                                                                          |           | 15dB                         |      |
| Monitor Current                                                                                                                                                                                                                     |     | ----                                                                                          |           | 0.2mA                        |      |
| Fiber Connector                                                                                                                                                                                                                     |     | FC / APC                                                                                      |           |                              |      |
| Fiber Length                                                                                                                                                                                                                        |     | >80cm                                                                                         |           |                              |      |
| Threshold Current (Typ.)                                                                                                                                                                                                            |     | ----                                                                                          |           | 15mA                         |      |
| Operating Current (Typ.)                                                                                                                                                                                                            |     | ----                                                                                          |           | 65mA                         |      |
| Operating Voltage                                                                                                                                                                                                                   |     | ----                                                                                          |           | 1.7V                         |      |
| Package Style                                                                                                                                                                                                                       |     | Coaxial or B82                                                                                |           |                              |      |
| High Polarization Extinction Ratio (PER) Version Laser Module is also available, please contact us.                                                                                                                                 |     |                                                                                               |           |                              |      |



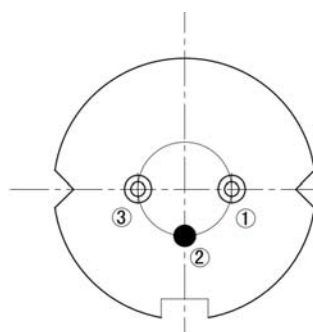
## Coaxial Package View: (Part Number: WSLP-980-010m-PM-PD)



## B82 Package View: (Part Number: WSLP-980-010m-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.

