

# 520nm Green 10mW MM Coaxial Fiber Coupled Laser Diode with MMF| Built-in Photodiode 515nm~520nm~530nm MM Pigtailed LD with 105um 50um 62.5um| With PD

WSLP-520-010m-M-PD

Wavespectrum Laser Group

www.wavespectrum-laser.com

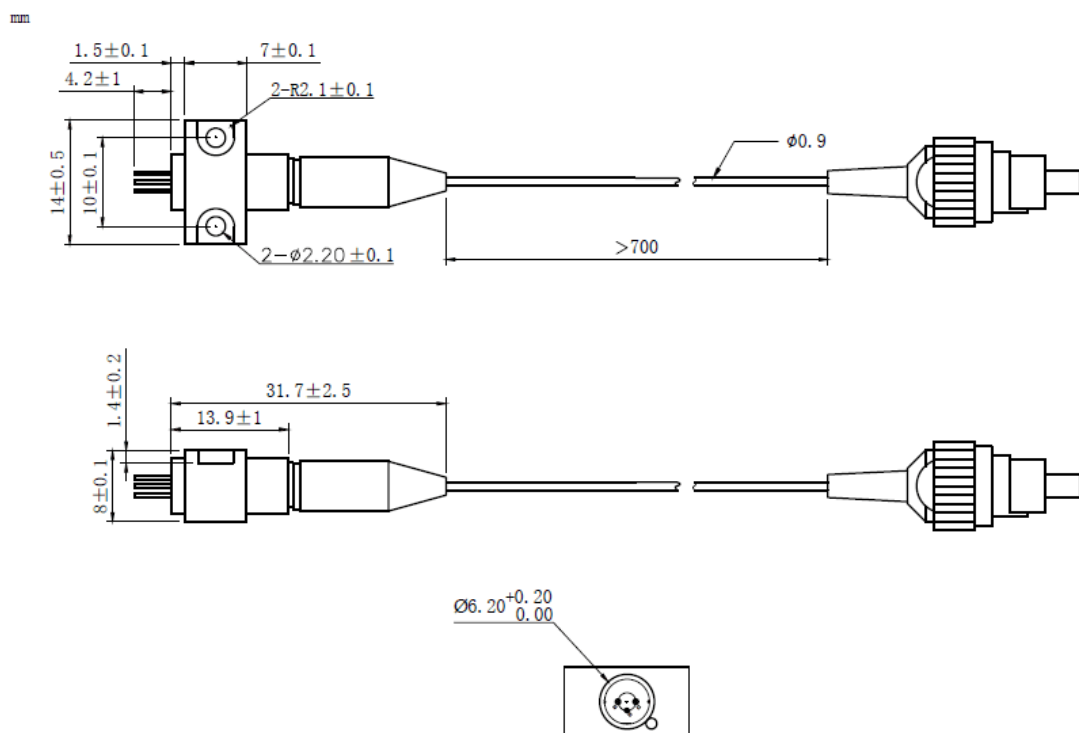
| 520nm Pigtailed Diode Laser                                                                                                                                                           |                                                                                    | 10mW/MMF  |      | Wavespectrum Laser Group |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------|------|--------------------------|--|
| PARAMETER                                                                                                                                                                             | SYMBOL                                                                             | VALUE     |      | UNIT                     |  |
| Reverse Voltage                                                                                                                                                                       | V <sub>r</sub>                                                                     | 2.0       |      | V                        |  |
| Operating Temperature                                                                                                                                                                 | T <sub>op</sub>                                                                    | -10 ~ +60 |      | °C                       |  |
| Storage Temperature                                                                                                                                                                   | T <sub>stg</sub>                                                                   | -40 ~ +85 |      | °C                       |  |
| Lead soldering temperature (10 sec.)                                                                                                                                                  | T <sub>is</sub>                                                                    | 260       |      | °C                       |  |
| Features:<br><div><div></div>520nm Green Diode Laser</div> <div><div></div>With MM Fiber</div> <div><div></div>Coaxial or B82 Package</div> <div><div></div>Built-in Photodiode</div> |  |           |      |                          |  |
| Applications:<br><div><div></div>Medical Laser Treatment</div> <div><div></div>Others</div>                                                                                           |                                                                                    |           |      |                          |  |
| Specifications                                                                                                                                                                        | WSLP-520-010m-M-PD                                                                 |           |      |                          |  |
|                                                                                                                                                                                       | Min                                                                                | Type      | Max  |                          |  |
| Center Wavelength@25℃                                                                                                                                                                 | 520nm+ / -10nm                                                                     |           |      |                          |  |
| Spectral Width (FWHM)                                                                                                                                                                 | ----                                                                               | 2.0nm     | ---- |                          |  |
| Output Power                                                                                                                                                                          | ----                                                                               | 10mW      | ---- |                          |  |
| Fiber Type                                                                                                                                                                            | Multimode Fiber                                                                    |           |      |                          |  |
| Fiber Core                                                                                                                                                                            | 105um (50um, 62.5um Optional)                                                      |           |      |                          |  |
| PD Current                                                                                                                                                                            | 100uA                                                                              |           |      |                          |  |
| Recommend Operating Temperature                                                                                                                                                       | 25℃                                                                                |           |      |                          |  |
| Fiber Connector                                                                                                                                                                       | FC/SC/SMA905                                                                       |           |      |                          |  |
| Fiber Length                                                                                                                                                                          | >80cm                                                                              |           |      |                          |  |
| Threshold Current (Typ.)                                                                                                                                                              | ----                                                                               | 25mA      | 45mA |                          |  |
| Operating Current (Typ.)                                                                                                                                                              | ----                                                                               | 60mA      | 70mA |                          |  |
| Operating Voltage                                                                                                                                                                     | ----                                                                               | 6.5V      | 8.0V |                          |  |
| Package Style                                                                                                                                                                         | Coaxial or B82                                                                     |           |      |                          |  |
| Photodiode                                                                                                                                                                            | Built-in                                                                           |           |      |                          |  |



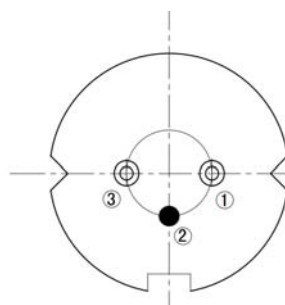
## Coaxial Package View: (Part Number: WSLP-520-010m-M-PD)



## B82 Package View: (Part Number: WSLP-520-010m-M-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.

