

# 635nm 10mW Fiber Receptacle Laser Diode Module| Built-in Photodiode

## 635nm~638nm 10mW Fiber Detachable LD | 4um Single Mode Fiber

WSLR-635-010m-4-PD

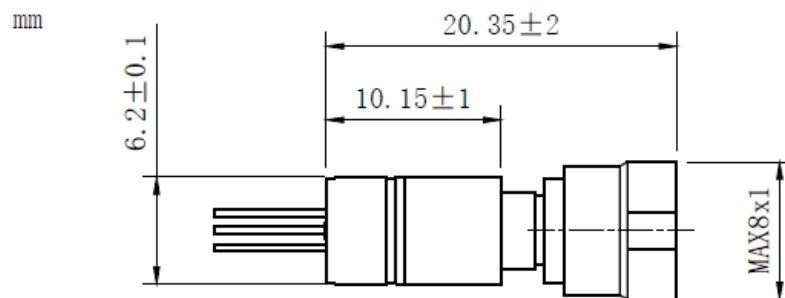
Wavespectrum Laser Group

www.wavespectrum-laser.com

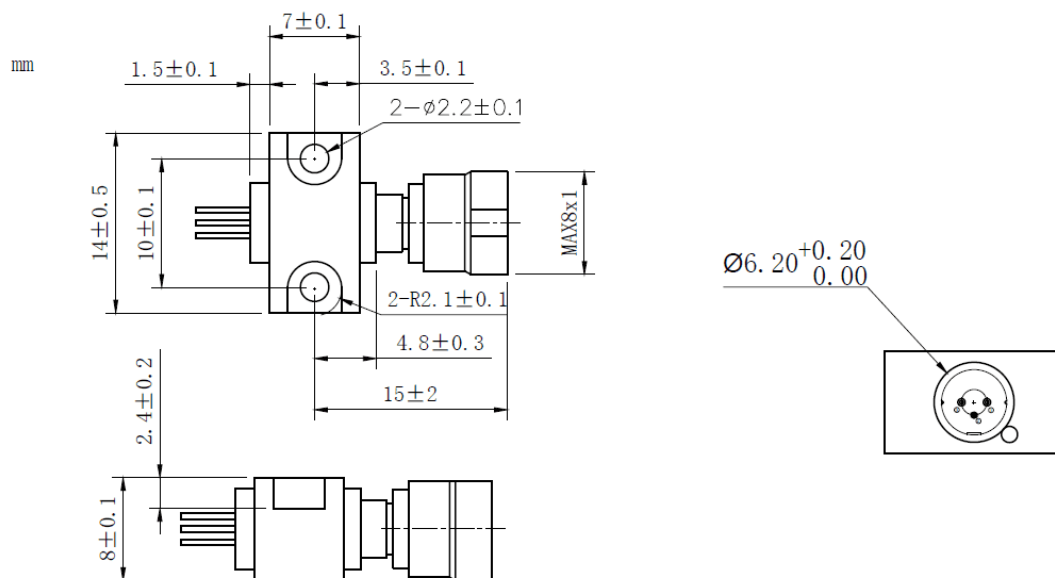
| 635nm Receptacle Diode Laser                                                                                                       |                                     | 10mW                                                                               | en.wavespectrum-laser.com.cn |      |
|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|------------------------------------------------------------------------------------|------------------------------|------|
| PARAMETER                                                                                                                          | SYMBOL                              | VALUE                                                                              |                              | UNIT |
| Reverse Voltage                                                                                                                    | $V_r$                               | 2.0                                                                                |                              | V    |
| Operating Temperature                                                                                                              | $T_{op}$                            | -10 ~ +50                                                                          |                              | °C   |
| Storage Temperature                                                                                                                | $T_{stg}$                           | -40 ~ +85                                                                          |                              | °C   |
| Lead soldering temperature (10 sec.)                                                                                               | $T_{is}$                            | 260                                                                                |                              | °C   |
| Features:                                                                                                                          |                                     |  |                              |      |
| <ul style="list-style-type: none"><li>638nm</li><li>Receptacle Package</li><li>Suit for 4um SM Fiber</li><li>Built-in PD</li></ul> |                                     |                                                                                    |                              |      |
| Applications:                                                                                                                      |                                     |                                                                                    |                              |      |
| <ul style="list-style-type: none"><li>Medical Laser Treatment</li><li>Others</li></ul>                                             |                                     |                                                                                    |                              |      |
| Specifications                                                                                                                     |                                     | WSLR-635-010m-4-PD                                                                 |                              |      |
|                                                                                                                                    | Min                                 | Type                                                                               | Max                          |      |
| Center Wavelength@25°C                                                                                                             | 638nm±10nm                          |                                                                                    |                              |      |
| Spectral Width (FWHM)                                                                                                              | ----                                | 2.0nm                                                                              | ----                         |      |
| Optical Fiber Output Power (After Fiber)                                                                                           | ----                                | 10mW                                                                               | ----                         |      |
| Fiber Specification                                                                                                                | 4um (or more)                       |                                                                                    |                              |      |
|                                                                                                                                    | 0.12 (or more)                      |                                                                                    |                              |      |
| Recommended Operating Temperature                                                                                                  | 25°C                                |                                                                                    |                              |      |
| Monitor Current                                                                                                                    | ----                                | 0.3mA                                                                              | ----                         |      |
| PD Reverse Voltage                                                                                                                 | ----                                | ----                                                                               | 30V                          |      |
| Threshold Current (Typ.)                                                                                                           | ----                                | 55mA                                                                               | 90mA                         |      |
| Operating Current (Typ.)                                                                                                           | ----                                | 200mA                                                                              | 220mA                        |      |
| Operating Voltage                                                                                                                  | ----                                | 2.7V                                                                               | 3.3V                         |      |
| Package Style                                                                                                                      | Coaxial Receptacle or B8 Receptacle |                                                                                    |                              |      |
| Ferrule Type                                                                                                                       | FC                                  |                                                                                    |                              |      |



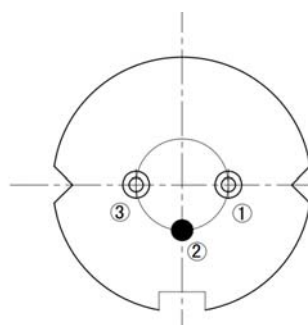
# Coaxial Receptacle Package View: (Part Number: WSLR-635-010m-4-PD)



# B8 Receptacle Package View: (Part Number: WSLR-635-010m-4-B-PD)



# PIN Bottom View:



|       |                   |
|-------|-------------------|
| PIN 1 | LD(-)             |
| PIN 2 | LD(+)&PD(-), CASE |
| PIN 3 | PD(+)             |



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

