

## 488nm~490nm 15mW Single Mode Coaxial Package Fiber Coupled Laser Diode Module

### 485nm~488nm~492nm SM Pigtailed LD with 3um Single Mode Fiber (SM Fiber)

WSLP-488-015m-4

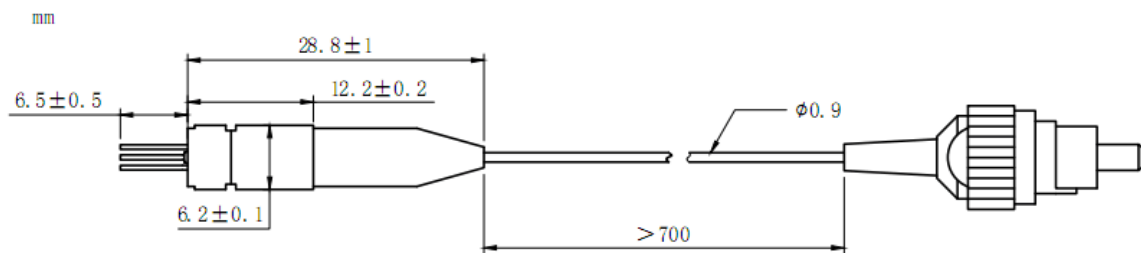
Wavespectrum Laser Group

www.wavespectrum-laser.com

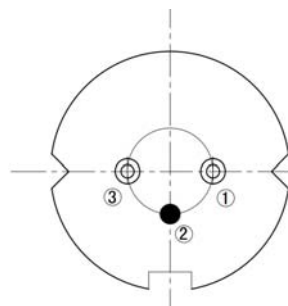
| 488nm Pigtailed Diode Laser                                                                            |                  | 15mW/SMF                                                                           |       | en.wavespectrum-laser.com.cn |  |
|--------------------------------------------------------------------------------------------------------|------------------|------------------------------------------------------------------------------------|-------|------------------------------|--|
| PARAMETER                                                                                              | SYMBOL           | VALUE                                                                              |       | UNIT                         |  |
| Reverse Voltage                                                                                        | V <sub>r</sub>   | 2.0                                                                                |       | V                            |  |
| Operating Temperature                                                                                  | T <sub>op</sub>  | -10 ~ +60                                                                          |       | °C                           |  |
| Storage Temperature                                                                                    | T <sub>stg</sub> | -40 ~ +85                                                                          |       | °C                           |  |
| Lead soldering temperature (10 sec.)                                                                   | T <sub>is</sub>  | 260                                                                                |       | °C                           |  |
| <b>Features:</b><br><br>🔸 488nm Diode Laser<br>🔸 3um SM Fiber<br>🔸 Coaxial Package<br>🔸 High Stability |                  |  |       |                              |  |
| <b>Applications:</b><br><br>🔸 Medical Laser Treatment<br>🔸 Others                                      |                  |                                                                                    |       |                              |  |
| <b>Specifications</b>                                                                                  |                  | <b>WSLP-488-015m-4</b>                                                             |       |                              |  |
|                                                                                                        |                  | Min                                                                                | Type  | Max                          |  |
| Center Wavelength@25℃                                                                                  |                  | 480nm                                                                              | 488nm | 495nm                        |  |
| Spectral Width (FWHM)                                                                                  |                  | ----                                                                               | 2.0nm | ----                         |  |
| Output Power                                                                                           |                  | ----                                                                               | 15mW  | ----                         |  |
| Fiber Type                                                                                             |                  | Single Mode Fiber                                                                  |       |                              |  |
| Fiber Core                                                                                             |                  | 3um                                                                                |       |                              |  |
| Recommend Operating Temperature                                                                        |                  | 25℃                                                                                |       |                              |  |
| Fiber Length                                                                                           |                  | ----                                                                               | 80cm  | 100cm                        |  |
| Threshold Current (Typ.)                                                                               |                  | ----                                                                               | 25mA  | 60mA                         |  |
| Operating Current (Typ.)                                                                               |                  | ----                                                                               | 100mA | 120mA                        |  |
| Operating Voltage                                                                                      |                  | ----                                                                               | 6.5V  | 7.5V                         |  |
| Package Style                                                                                          |                  | Coaxial                                                                            |       |                              |  |
| Fiber Connector                                                                                        |                  | FC/SC/SMA905                                                                       |       |                              |  |
| Photodiode                                                                                             |                  | Without                                                                            |       |                              |  |



## 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.

