

## 635nm 1W High Power Fiber Coupled Laser Diode Module With 105um multi-mode Fiber

635nm~638nm Pigtailed Diode Laser Module | High Power Red LD Module

WSLP-635-001-M

Wavespectrum Laser Group

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

| PARAMETER                            | SYMBOL    | VALUE     | UNIT |
|--------------------------------------|-----------|-----------|------|
| MAX Reverse Voltage                  | $V_r$     | 2.0       | V    |
| Operating Temperature                | $T_{op}$  | 0 ~ +40   | °C   |
| Storage Temperature                  | $T_{stg}$ | -40 ~ +85 | °C   |
| Lead soldering temperature (10 sec.) | $T_{is}$  | 260       | °C   |

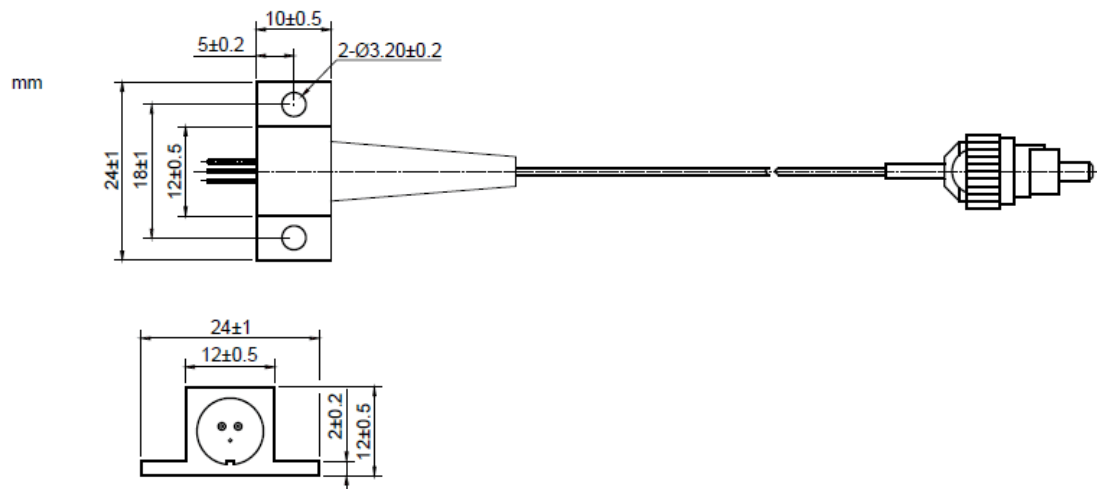
|                                                                                                                                                            |                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| <b>Features:</b> <ul style="list-style-type: none"> <li>635nm</li> <li>1W Output Power</li> <li>Compact Size</li> <li>Fiber Receptacle Optional</li> </ul> |  |
| <b>Applications:</b> <ul style="list-style-type: none"> <li>Medical Laser Treatment</li> <li>Laser Show</li> <li>Others</li> </ul>                         |                                                                                    |

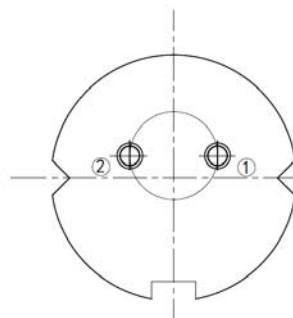
| Specifications                        | WSLP-635-001-M         |            |       |
|---------------------------------------|------------------------|------------|-------|
|                                       | Min                    | Type       | Max   |
| Center Wavelength@25°C                | 630nm                  | 638nm      | 645nm |
| Spectral Width (FWHM)                 | ----                   | 2.0nm      | ----  |
| Temperature Coefficient of Wavelength | ----                   | 0.2nm / °C | ----  |
| Output Power                          | 0.9W                   | 1W         | ----  |
| Recommended Case Temperature          | 25°C                   |            |       |
| Threshold Current (Typ.)              | ----                   | 0.3A       | ----  |
| Operating Current (Typ.)              | ----                   | 1.5A       | ----  |
| Operating Voltage                     | ----                   | 2.4V       | ----  |
| Fiber Core Diameter                   | 105um (200um Optional) |            |       |
| N.A.                                  | 0.22                   |            |       |
| Fiber Length                          | >80cm                  |            |       |
| Connector Type                        | FC(SMA905 Optional)    |            |       |
| Package Style                         | B13 Package            |            |       |



## B13 Package View:



## PIN Bottom View:



|   |       |
|---|-------|
| 1 | LD(+) |
| 2 | LD(-) |

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

