
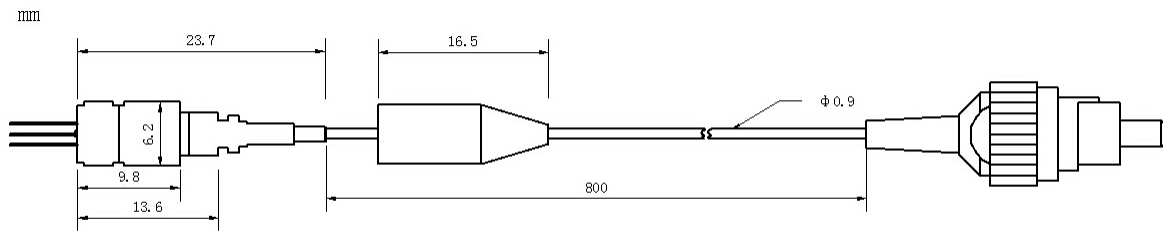


**808nm~810nm 100mW~120mW Coaxial Pigtailed Laser Diode (LD) Module**
**808nm 120mW Fiber Coupled Diode Laser |62.5um 105um MMF Optional |Built-in PD**
**WSLP-808-120m-M-PD**
**Wavespectrum Laser Group**
**www.wavespectrum-laser.com**

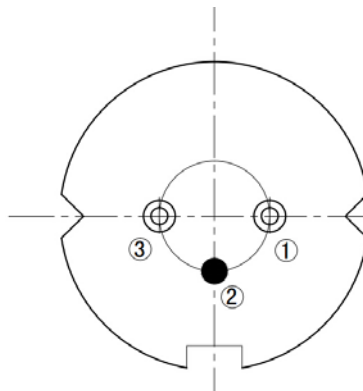
| 808nm Pigtailed Diode Laser                                                                                                                      |                                                                                    | 120mW/MM Fiber |       | Wavespectrum Laser Group |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------------|-------|--------------------------|--|
| 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    |                          |  |
| <b>Features:</b> <ul style="list-style-type: none"> <li>● 808nm</li> <li>● MM Fiber</li> <li>● Coaxial package</li> <li>● Built-in PD</li> </ul> |  |                |       |                          |  |
| <b>Applications:</b> <ul style="list-style-type: none"> <li>● Medical laser treatment</li> <li>● Others</li> </ul>                               |                                                                                    |                |       |                          |  |
| <b>Specifications</b>                                                                                                                            | <b>WSLP-808-120m-M-PD</b>                                                          |                |       |                          |  |
|                                                                                                                                                  | Min                                                                                | Type           | Max   |                          |  |
| Center Wavelength@25°C                                                                                                                           | ±3nm                                                                               | 808nm          | ±5nm  |                          |  |
| Spectral Width (FWHM)                                                                                                                            | ----                                                                               | 2.0nm          | ----  |                          |  |
| Output Power                                                                                                                                     | 100mW                                                                              | 120mW          | ----  |                          |  |
| Fiber Core                                                                                                                                       | 105um (62.5um optional)                                                            |                |       |                          |  |
| Recommend Operating Temperature                                                                                                                  | 25°C                                                                               |                |       |                          |  |
| Monitor Current                                                                                                                                  | ----                                                                               | 2mA            | ----  |                          |  |
| PD Reverse Voltage                                                                                                                               | ----                                                                               | 30V            | ----  |                          |  |
| Fiber Connector                                                                                                                                  | FC/SC/SMA905                                                                       |                |       |                          |  |
| Fiber Length                                                                                                                                     | ----                                                                               | 80cm           | 100cm |                          |  |
| Threshold Current (Typ.)                                                                                                                         | ----                                                                               | 55mA           | 80mA  |                          |  |
| Operating Current (Typ.)                                                                                                                         | ----                                                                               | 320mA          | 350mA |                          |  |
| Operating Voltage                                                                                                                                | ----                                                                               | 1.9V           | 2.2V  |                          |  |
| Package Style                                                                                                                                    | Coaxial                                                                            |                |       |                          |  |



### Coaxial Package View



### 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.

