
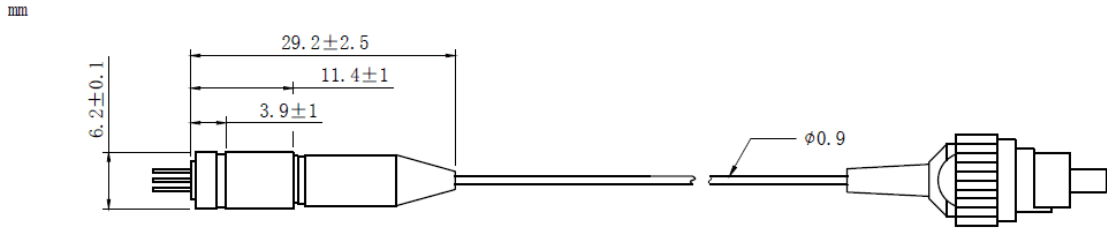


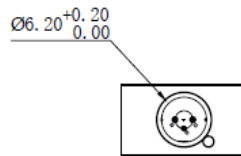
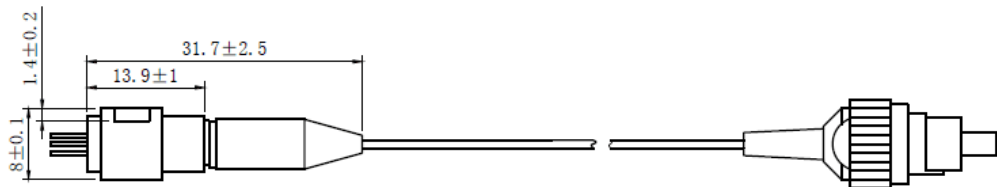
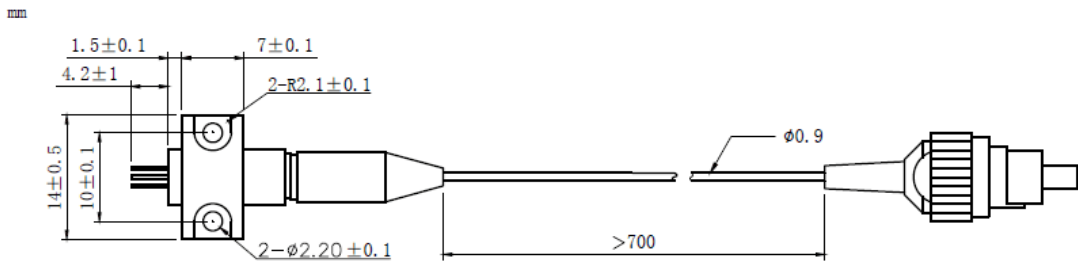
**850nm 50mW~60mW SM Coaxial Pigtailed Laser Diode with 9um Fiber | Infrared Diode Laser Module**  
**850nm 50mW Fiber Coupled LD with SMF-28 Fiber (9um Fiber Core) | Built-in Photodiode**  
**RWLP-850-050m-9-PD**

| 850nm Pigtailed Diode Laser 50mW/9um  |  |         |       |
|---|--|---------|-------|
| PARAMETER   | SYMBOL   | VALUE   | UNIT  |
| Reverse Voltage   | $V_r$  | 2.0     | V     |
| Operating Temperature   | $T_{op}$   | -10~+60 | °C    |
| Storage Temperature   | $T_{stg}$  | -40~+80 | °C    |
| Lead soldering temperature (10 sec.)  | $T_{is}$   | 260     | °C    |
| <b>Features:</b> <ul style="list-style-type: none"> <li>● 850nm</li> <li>● With 9um Fiber</li> <li>● Coaxial or B82 Package</li> <li>● Built-in PD</li> </ul> |  |         |       |
| <b>Applications:</b> <ul style="list-style-type: none"> <li>● Medical Laser Treatment</li> <li>● Sensor</li> <li>● Others</li> </ul>                          |  |         |       |
| <b>Specifications</b>   | <b>RWLP-850-050m-9-PD</b>  |         |       |
|   | Min  | Type    | Max   |
| Center Wavelength@25°C  | 840nm  | 850nm   | 860nm |
| Recommended Operating Temperature   | 25°C   |         |       |
| Output Power  | ----   | 50mW    | ----  |
| Fiber Type  | SMF-28   |         |       |
| Fiber Core  | 9um  |         |       |
| Monitor Current   | ----   | 0.3mA   | ----  |
| PD Reverse Voltage  | ----   | ----    | 30V   |
| Fiber Connector   | FC/SC/SMA905   |         |       |
| Fiber Length  | ----   | 80cm    | 100cm |
| Threshold Current (Typ.)  | ----   | 45mA    | 100mA |
| Operating Current (Typ.)  | ----   | 200mA   | 220mA |
| Operating Voltage   | ----   | 2.4V    | 2.8V  |
| Package Style   | Coaxial or B82   |         |       |
| Photodiodes   | Built-in   |         |       |

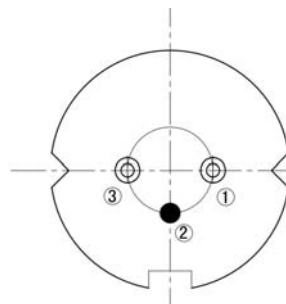
**Coaxial Package View: (Part Number: RWLP-850-050m-9-PD)**



**B82 Package View: (Part Number: RWLP-850-050m-9-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.

