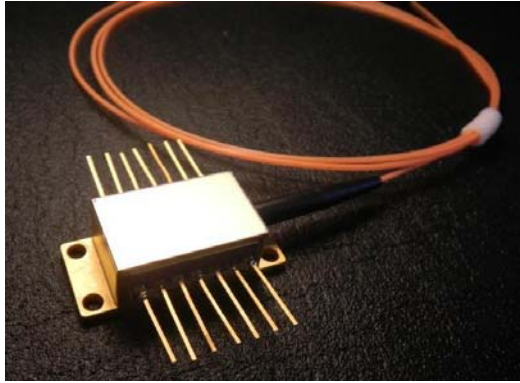
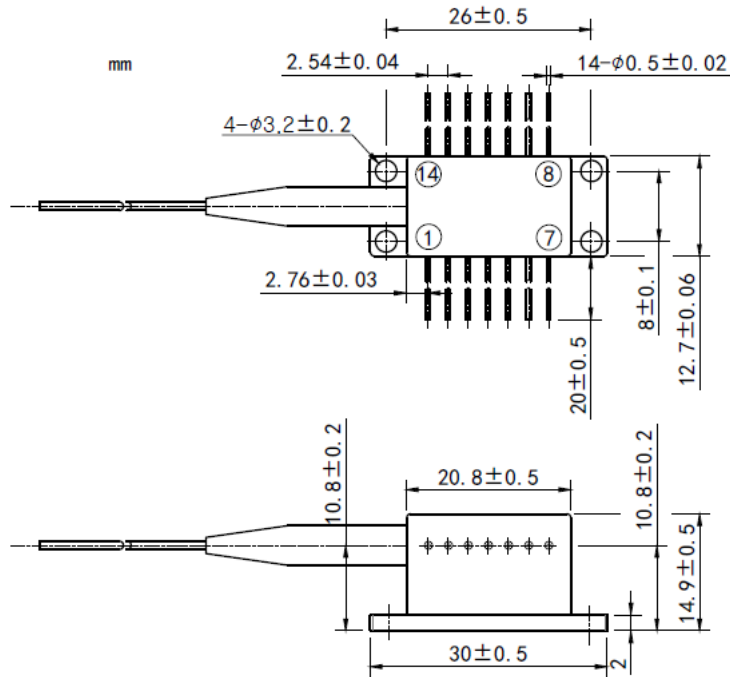


**400nm 400mW 14-Pin Butterfly Package Fiber Coupled Diode Laser With TEC | Violet Laser Diode**  
**400nm~402nm| 14-Pin BTF Package With 105um UV Fiber |Built-in TEC Cooling | Built-in PD**  
**RWLX-400-400m-M-H14-T-PD**

| PARAMETER   | SYMBOL   | VALUE       | UNIT        |
|---|--|-------------|-------------|
| Reverse Voltage   | $V_r$  | 2.0         | V           |
| Operating Temperature   | $T_{op}$   | 0~ +30      | °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>● 400nm</li> <li>● 400mW Output Power</li> <li>● Built-in TEC Cooling</li> <li>● Built-in Photodiode</li> <li>● High Stability</li> </ul> |  |             |             |
| <b>Applications:</b> <ul style="list-style-type: none"> <li>● Medical Laser Treatment</li> <li>● Others</li> </ul>  |  |             |             |
| <b>Specifications</b>   | <b>RWLX-400-400m-M-H14-T-PD</b>  |             |             |
|   | <b>Min.</b>  | <b>Type</b> | <b>Max.</b> |
| Center Wavelength@25°C  | 400nm±5nm  |             |             |
| Spectral Width (FWHM)   | ----   | 2nm         | ----        |
| Output Power  | ----   | 400mW       | ----        |
| Recommended Operating Temperature   | 25 °C  |             |             |
| Threshold Current (Typ.)  | ----   | 120mA       | 200mA       |
| Operating Current (Typ.)  | ----   | 350mA       | 380mA       |
| Operating Voltage   |  | 5.0V        | 6.0V        |
| TEC Max Current   | 2A   |             |             |
| TEC Max Voltage   | 8V   |             |             |
| Fiber Type  | UV Multi-mode Fiber  |             |             |
| Fiber Core  | 105um  |             |             |
| Fiber Length  | >80cm  |             |             |
| Connector Type  | SMA905/FC  |             |             |
| Package   | 14-Pin   |             |             |

### 14-Pin Package View



### Pin Out:

| PIN | FUNCTION   | PIN | FUNCTION |
|-----|------------|-----|----------|
| 1   | TEC(+)     | 14  | TEC(-)   |
| 2   | THERMISTOR | 13  | CASE     |
| 3   | PD(+)      | 12  | NC       |
| 4   | PD(-)      | 11  | LD(-)    |
| 5   | THERMISTOR | 10  | LD(+)    |
| 6   | NC         | 9   | NC       |
| 7   | NC         | 8   | NC       |

Electrically shorten LD module and store in non-extreme conditions.

Suggest using the constant current power supply.

