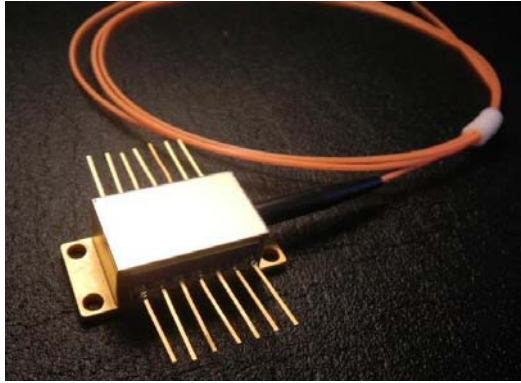
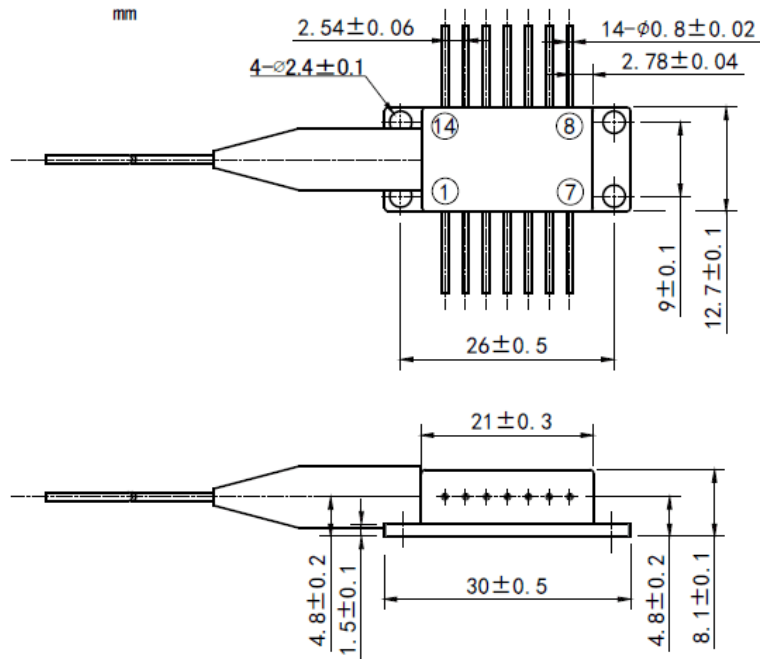


**780nm~785nm 2W Fiber Coupled Diode Laser Module with TEC cooler | 14-Pin Butterfly Package**  
**785nm 2W | 14-Pin (BTF) Package| 105um 200um or 400um Fiber Core| High Power LD |Built-in Photodiodes**  
**WSLX-785-002-M-H14-T-PD**      **Wavespectrum Laser Group.**      **en.wavespectrum-laser.com.cn**

| PARAMETER                                                                                                                                                                                                                                                                 | SYMBOL    | VALUE                                                                              | UNIT |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------|------|
| Reverse Voltage                                                                                                                                                                                                                                                           | $V_r$     | 2.0                                                                                | V    |
| Operating Temperature                                                                                                                                                                                                                                                     | $T_{op}$  | +10 ~ +30                                                                          | °C   |
| Storage Temperature                                                                                                                                                                                                                                                       | $T_{stg}$ | -20 ~ +80                                                                          | °C   |
| Lead soldering temperature (10 sec.)                                                                                                                                                                                                                                      | $T_{is}$  | 260                                                                                | °C   |
| <b>Features:</b> <ul style="list-style-type: none"> <li>785nm</li> <li>14-Pin Package</li> <li>Built-in TEC Cooler</li> <li>Built-in Photodiode</li> </ul> <b>Applications:</b> <ul style="list-style-type: none"> <li>Medical Laser Treatment</li> <li>Others</li> </ul> |           |  |      |
| <b>Specifications</b>                                                                                                                                                                                                                                                     |           | <b>WSLX-785-002-M-H14-T-PD</b>                                                     |      |
|                                                                                                                                                                                                                                                                           |           | Min                                                                                | Type |
| Center Wavelength@25°C                                                                                                                                                                                                                                                    |           | 785nm ± 10nm                                                                       |      |
| Spectral Width (FWHM)                                                                                                                                                                                                                                                     |           | 2nm                                                                                |      |
| Output Power                                                                                                                                                                                                                                                              |           | -----                                                                              | 2W   |
| Temperature Coefficient of Wavelength                                                                                                                                                                                                                                     |           | 0.3nm / °C                                                                         |      |
| Threshold Current (Typ.)                                                                                                                                                                                                                                                  |           | 1.2A                                                                               |      |
| Operating Current (Typ.)                                                                                                                                                                                                                                                  |           | 4.0A                                                                               |      |
| Operating Voltage                                                                                                                                                                                                                                                         |           | 2.0V                                                                               |      |
| Recommended Case Temperature                                                                                                                                                                                                                                              |           | 25°C                                                                               |      |
| TEC Max. Current                                                                                                                                                                                                                                                          |           | 2A                                                                                 |      |
| TEC Max. Voltage                                                                                                                                                                                                                                                          |           | 8V                                                                                 |      |
| Fiber Core Diameter                                                                                                                                                                                                                                                       |           | 105um                                                                              |      |
| Fiber Numerical Aperture                                                                                                                                                                                                                                                  |           | 0.22                                                                               |      |
| Package                                                                                                                                                                                                                                                                   |           | 14-Pin-01                                                                          |      |
| Fiber Length                                                                                                                                                                                                                                                              |           | >80cm                                                                              |      |
| Photodiode                                                                                                                                                                                                                                                                |           | Built-in                                                                           |      |
| Connector Type                                                                                                                                                                                                                                                            |           | FC(SMA905 Optional)                                                                |      |



# 14-Pin-01 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.

