

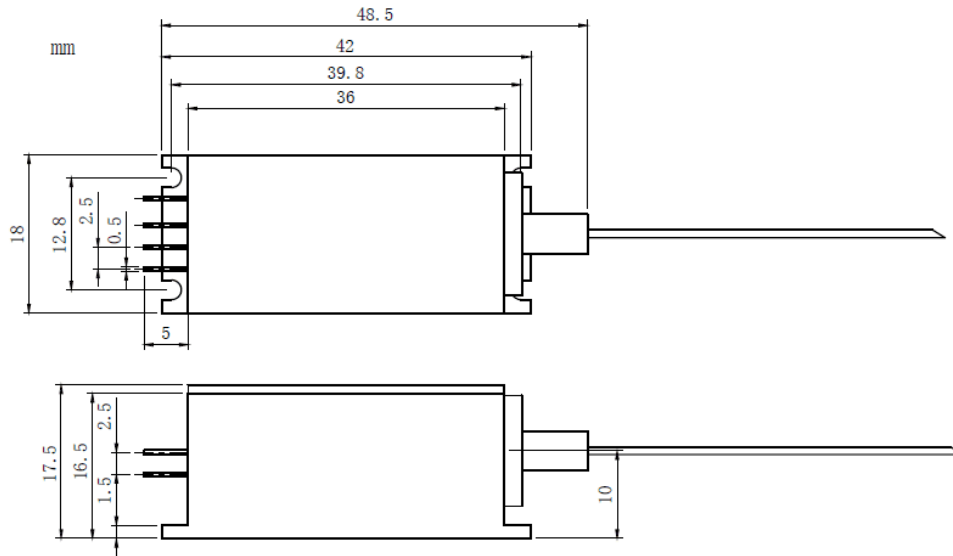
**630nm~632nm 20mW Single Mode Pigtailed Diode Laser With TEC Cooler | Built-in Photodiode Optional**  
**630nm 20mW |8-Pin HHL Package| 4um Single mode Fiber| Red Diode Laser | Built-in TEC Cooling**  
**WSLX-630-020m-4-H8-T**      **Wavespectrum Laser Group**      **en.wavespectrum-laser.com.cn**

| 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    |
| <div> <div> <b>Features:</b> <ul style="list-style-type: none"> <li>630nm</li> <li>8-Pin Package</li> <li>Built-in TEC Cooling</li> <li>Built-in PD Optional</li> </ul> </div> <div>  </div> </div> |                      |           |       |
| <div> <div> <b>Applications:</b> <ul style="list-style-type: none"> <li>Medical Laser Treatment</li> <li>Others</li> </ul> </div> </div>                                                                                                                                              |                      |           |       |
| Specifications                                                                                                                                                                                                                                                                        | WSLX-630-020m-4-H8-T |           |       |
|                                                                                                                                                                                                                                                                                       | Min.                 | Type      | Max.  |
| Center Wavelength@25°C                                                                                                                                                                                                                                                                | 630nm±10nm           |           |       |
| Spectral Width (FWHM)                                                                                                                                                                                                                                                                 | ----                 | 2nm       | ----  |
| Output Power                                                                                                                                                                                                                                                                          | ----                 | 20mW      | ----  |
| Recommend Operating Temperature                                                                                                                                                                                                                                                       | 25 °C                |           |       |
| Threshold Current (Typ.)                                                                                                                                                                                                                                                              | ----                 | 70mA      | 100mA |
| Operating Current (Typ.)                                                                                                                                                                                                                                                              | ----                 | 170mA     | 190mA |
| Operating Voltage                                                                                                                                                                                                                                                                     | ----                 | 2.7V      | 3.2V  |
| Monitor Current                                                                                                                                                                                                                                                                       | ----                 | ----      | ----  |
| TEC Max Current                                                                                                                                                                                                                                                                       | 1.3A                 |           |       |
| TEC Max Voltage                                                                                                                                                                                                                                                                       | 4.0V                 |           |       |
| Thermistor                                                                                                                                                                                                                                                                            | 10K                  |           |       |
| Fiber Type                                                                                                                                                                                                                                                                            | Single Mode Fiber    |           |       |
| Fiber Core                                                                                                                                                                                                                                                                            | 4um                  |           |       |
| Fiber Length                                                                                                                                                                                                                                                                          | >80cm                |           |       |
| Connector Type                                                                                                                                                                                                                                                                        | FC/SC/SMA905         |           |       |
| Package Style                                                                                                                                                                                                                                                                         | 8-PIN                |           |       |

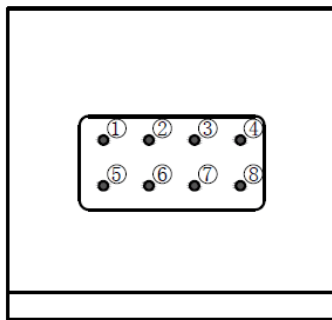
Wavespectrum Laser Group  
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## 8-Pin Package View:



## Pin Out:



| PIN | FUNCTION | PIN | FUNCTION |
|-----|----------|-----|----------|
| 1   | RT       | 5   | NC       |
| 2   | LD (-)   | 6   | NC       |
| 3   | LD (+)   | 7   | TEC (-)  |
| 4   | RT       | 8   | TEC (+)  |

## Wavespectrum offer Customized 630nm Fiber Coupled LD.

- Customized Output Power
- Customized Fiber Core
- Dual-Wavelength or Tri-Wavelength Module Optional  
(such as 1W@635nm+10W@980nm)

Contact us with [info@wavespectrum-laser.com](mailto:info@wavespectrum-laser.com)

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

Suggest using the constant current power supply.



Wavespectrum Laser Group  
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