

**505nm~510nm 10mW PM Fiber Coupled Diode Laser With TEC Cooler |Green Laser Diode Module**
**505nm 10mW Pigtailed Laser Module with Polarization Maintaining Fiber |HHL Package**
**WSLX-505-010m-PM-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   |

**Features:**

505nm  
 3um PM Fiber  
 Built-in TEC Cooling  
 8-Pin Package

**Applications:**

Medical Laser Treatment  
 Biotechnology  
 Others


**Specifications**
**WSLX-505-010m-PM-H8-T**

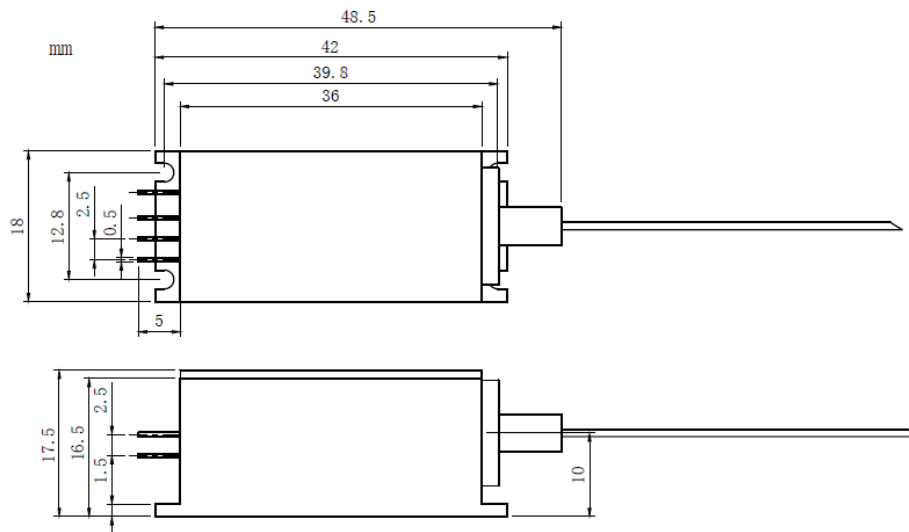
|                                 | Min.                           | Type   | Max.   |
|---------------------------------|--------------------------------|--------|--------|
| Center Wavelength@25°C          | 505nm±10nm                     |        |        |
| Spectral Width (FWHM)           | ----                           | 2nm    | ----   |
| Output Power                    | ----                           | 10mW   | ----   |
| Recommend Operating Temperature | 25 °C                          |        |        |
| Threshold Current (Typ.)        | ----                           | 50 mA  | 90 mA  |
| Operating Current (Typ.)        | ----                           | 180 mA | 200 mA |
| Operating Voltage               |                                | 7.5V   | 8.0V   |
| Polarization Extinction Ratio   | 13dB                           | 15dB   |        |
| TEC Max Current                 | 1.3A                           |        |        |
| TEC Max Voltage                 | 4.0V                           |        |        |
| Thermistor                      | 10K                            |        |        |
| Fiber Type                      | Polarization Maintaining Fiber |        |        |
| Fiber Core                      | 3um                            |        |        |
| Fiber Length                    | >80cm                          |        |        |
| Connector Type                  | FC / APC                       |        |        |

High Polarization Extinction Ratio (PER) Version Laser Module is also available, please contact us.

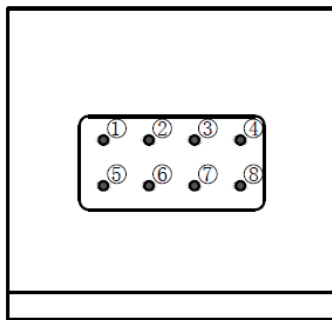
Wavespectrum Laser Group  
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## 8-Pin Package View:



## 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 505nm Fiber Coupled LD.

- Customized Output Power
- Customized Fiber Core
- Dual-Wavelength or Tri-Wavelength Module Optional  
(such as 10mW@505nm+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.



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