

633nm 700mW Fiber Coupled Laser Diode with 9-Pin Package | Built-in TEC cooler

633nm~635nm 700mW 9-Pin HHL Pigtailed Diode Laser Module With 50um MM Fiber | Built-in PD

WSLX-633-700m-50M-H9-T-PD

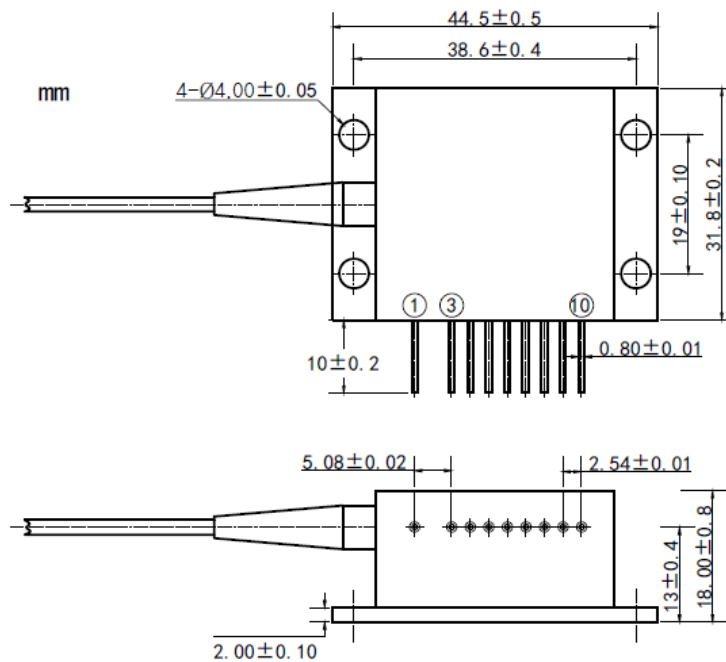
Wavespectrum Laser Group

www.wavespectrum-laser.com

| 633nm Pigtailed Diode Laser                                                                                                                                                                                                  |  | 0.7W/MM Fiber                                                                                  |           | en.wavespectrum-laser.com.cn |      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------|-----------|------------------------------|------|
| PARAMETER                                                                                                                                                                                                                    |  | SYMBOL                                                                                         | VALUE     |                              | UNIT |
| MAX Reverse Voltage                                                                                                                                                                                                          |  | V <sub>r</sub>                                                                                 | 2.0       |                              | V    |
| Operating Temperature                                                                                                                                                                                                        |  | T <sub>op</sub>                                                                                | 0 ~ +20   |                              | °C   |
| Storage Temperature                                                                                                                                                                                                          |  | T <sub>stg</sub>                                                                               | -40 ~ +85 |                              | °C   |
| Lead soldering temperature (10 sec.)                                                                                                                                                                                         |  | T <sub>is</sub>                                                                                | 260       |                              | °C   |
| <div>Features:</div> <div><div><div></div><div>633nm</div></div><div><div></div><div>9-Pin Package</div></div><div><div></div><div>Built-in TEC Cooler</div></div><div><div></div><div>Built-in Photodiode</div></div></div> |  | <div></div> |           |                              |      |
| <div>Applications:</div> <div><div><div></div><div>Medical Laser Treatment</div></div><div><div></div><div>Sensor</div></div><div><div></div><div>Others</div></div></div>                                                   |  |                                                                                                |           |                              |      |
| Specifications                                                                                                                                                                                                               |  | WSLX-633-700m-50M-H9-T-PD                                                                      |           |                              |      |
|                                                                                                                                                                                                                              |  | Min                                                                                            | Type      | Max                          |      |
| Center Wavelength@15℃                                                                                                                                                                                                        |  | 633nm±10nm                                                                                     |           |                              |      |
| Output Power                                                                                                                                                                                                                 |  |                                                                                                | 700mW     |                              |      |
| Spectral Width (FWHM)                                                                                                                                                                                                        |  |                                                                                                | 2nm       |                              |      |
| Recommended Operating Temperature                                                                                                                                                                                            |  | ≤15℃                                                                                           |           |                              |      |
| Temperature Coefficient of Wavelength                                                                                                                                                                                        |  | 0.2nm / °C                                                                                     |           |                              |      |
| Threshold Current (Typ.)                                                                                                                                                                                                     |  |                                                                                                | 0.3A      |                              |      |
| Operating Current (Typ.)                                                                                                                                                                                                     |  |                                                                                                | 1.1A      |                              |      |
| Operating Voltage                                                                                                                                                                                                            |  |                                                                                                | 2.6V      |                              |      |
| TEC Max Current                                                                                                                                                                                                              |  | 6A                                                                                             |           |                              |      |
| TEC Max Voltage                                                                                                                                                                                                              |  | 9.8V                                                                                           |           |                              |      |
| Thermistor                                                                                                                                                                                                                   |  | 10K                                                                                            |           |                              |      |
| Fiber Core                                                                                                                                                                                                                   |  | 50um                                                                                           |           |                              |      |
| Numerical Aperture                                                                                                                                                                                                           |  | 0.22                                                                                           |           |                              |      |
| Fiber Connector                                                                                                                                                                                                              |  | FC/SMA905                                                                                      |           |                              |      |
| Fiber Length                                                                                                                                                                                                                 |  | >80cm                                                                                          |           |                              |      |
| Package Style                                                                                                                                                                                                                |  | 9-Pin                                                                                          |           |                              |      |



## 9-PIN HHL Package View



| PIN | FUNCTION |
|-----|----------|
| 1   | TEC (-)  |
| 2   | -        |
| 3   | CASE     |
| 4   | LD (+)   |
| 5   | THERM    |
| 6   | THERM    |
| 7   | LD (-)   |
| 8   | PD (P)   |
| 9   | PD (N)   |
| 10  | TEC (+)  |

Wavespectrum offer **Customized 633nm Fiber Coupled LD.**

- Customized Output Power
- Customized Fiber Core
- Dual-Wavelength or Tri-Wavelength Module Optional  
(such as 2W@633nm+12W@808nm)

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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