


1490nm 2.5W~3W Fiber Coupled Laser Diode Module | Built-in TEC Cooler |9-Pin HHL Package
1490nm 3W|9-PIN Package| 105um 200um 400um Fiber Core| High Power Infrared LD | Built-in PD
WSLX-1490-003-M-H9-T-PD Wavespectrum Laser Group en.wavespectrum-laser.com.cn

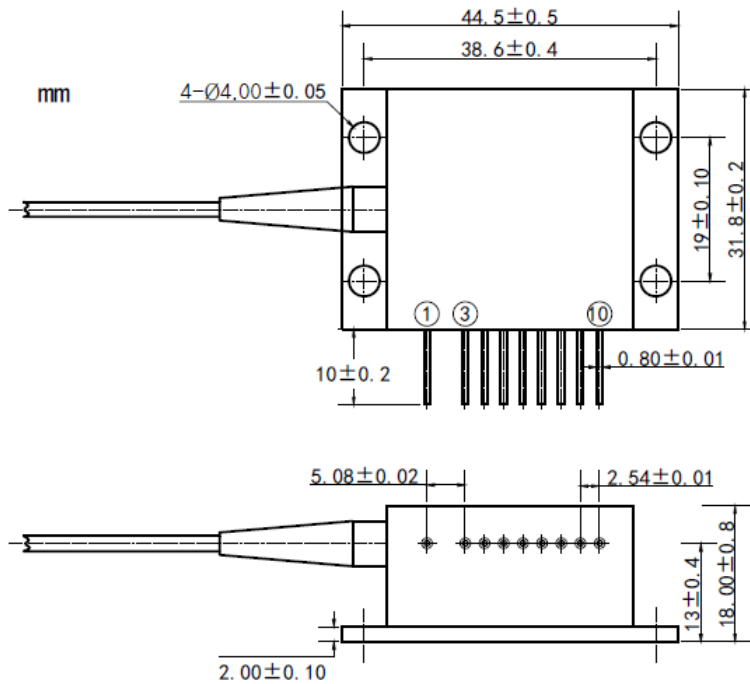
| PARAMETER | SYMBOL | VALUE | UNIT |
|--------------------------------------|-----------|-----------|------|
| Reverse Voltage | V_r | 2.0 | V |
| Operating Temperature | T_{op} | +10 ~ +30 | °C |
| Storage Temperature | T_{stg} | -20 ~ +80 | °C |
| Lead soldering temperature (10 sec.) | T_{is} | 260 | °C |

| | |
|--|--|
| Features: <ul style="list-style-type: none"> ● 1490nm ● Multi-mode Fiber ● 9-Pin Package ● Built-in TEC Cooler ● Built-in Photodiode |  |
| Applications: <ul style="list-style-type: none"> ● Medical Laser Treatment ● Others | |

| Specifications | WSLX-1490-003-M-H9-T-PD | | |
|---------------------------------------|------------------------------|------------|-------|
| | Min. | Type | Max. |
| Center Wavelength@25°C | 1490nm±40nm | | |
| Spectral Width (FWHM) | | 10nm | |
| Output Power | 2.5W | 3W | ----- |
| Temperature Coefficient of Wavelength | | 0.7nm / °C | |
| Threshold Current (Typ.) | | 0.5A | |
| Operating Current (Typ.) | | 9.0A | |
| Operating Voltage | | 2.0V | |
| Recommended Case Temperature | 25°C | | |
| TEC Max. Current | | 6A | |
| TEC Max. Voltage | | 9.8V | |
| Thermistor | | 10K | |
| Fiber Core Diameter | 105um (200um 400um Optional) | | |
| Fiber Numerical Aperture | | 0.22 | |
| Fiber Length | | >80cm | |
| Connector Type | SMA905/ST/FC | | |
| Package Style | 9-Pin | | |

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9-Pin 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 1490nm Fiber Coupled LD.

- Customized Output Power
- Customized Fiber Core
- Dual-Wavelength or Tri-Wavelength Module Optional (such as 2w@1490nm+350mw@635nm)

Contact us with info@wavespectrum-laser.com

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

Suggest using the constant current power supply.

