**488nm～490nm 20mW Single Mode Pigtailed Diode Laser With TEC Cooler | Built-in Photodiode Optional**

**488nm 20mW | 8-Pin HHL Package| 3um Single mode Fiber| Diode Laser | Built-in TEC Cooling**

**WSLX-488-020m-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 | ℃ |
| Storage Temperature | $T_{stg}$ | -20～+80 | ℃ |
| Lead soldering temperature (10 sec.) | $T_{ls}$ | 260 | ℃ |

**Features:**

- 488nm
- 8-Pin Package
- Built-in TEC Cooling
- Built-in PD Optional

**Applications:**

- Medical Laser Treatment
- Others

| Specifications | WSLX-488-020m-4-H8-T | | |
|---|---|---|---|
| | Min. | Type | Max. |
| Center Wavelength@25℃ | 488nm±10nm | | |
| Spectral Width (FWHM) | ---- | 2nm | ---- |
| Output Power | ---- | 20mW | ---- |
| Recommended Operating Temperature | 25 °C | | |
| Threshold Current (Typ.) | ---- | 35mA | 65mA |
| Operating Current (Typ.) | ---- | 140mA | 160mA |
| Operating Voltage | ---- | 6.5V | 8.0V |
| Monitor Current | ---- | ---- | ---- |
| TEC Max Current | 1.3A | | |
| TEC Max Voltage | 4.0V | | |
| Thermistor | 10K | | |
| Fiber Type | Single Mode Fiber | | |
| Fiber Core | 3um | | |
| Fiber Length | >80cm | | |
| Connector Type | FC/SC/SMA905 | | |
| Package Style | 8-PIN | | |

Wavespectrum Laser Group
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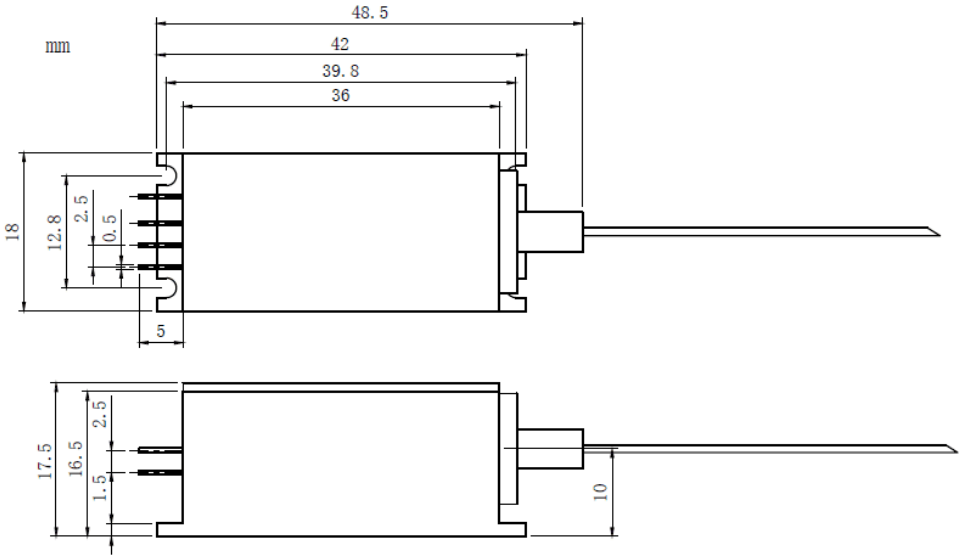
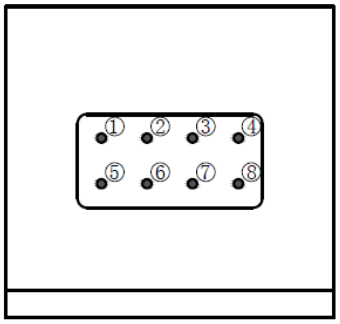
**8-Pin Package View:**




**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 488nm Fiber Coupled LD.

- Customized Output Power
- Customized Fiber Core
- Dual-Wavelength or Tri-Wavelength Module Optional
  (such as 20mW@488nm+10W@980nm)

**Contact us with 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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