

450nm~460nm 30mW PM Fiber Coupled Diode Laser With TEC Cooler |Blue Laser Diode Module
460nm 30mW Pigtailed Laser Module with Polarization Maintaining Fiber |8-Pin HHL Package| High Stability
WSLX-460-030m-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:

- 460nm
- 3um PM Fiber
- Built-in TEC Cooling
- 8-Pin Package

Applications:

- Medical Laser Treatment
- Biotechnology
- Others



Specifications

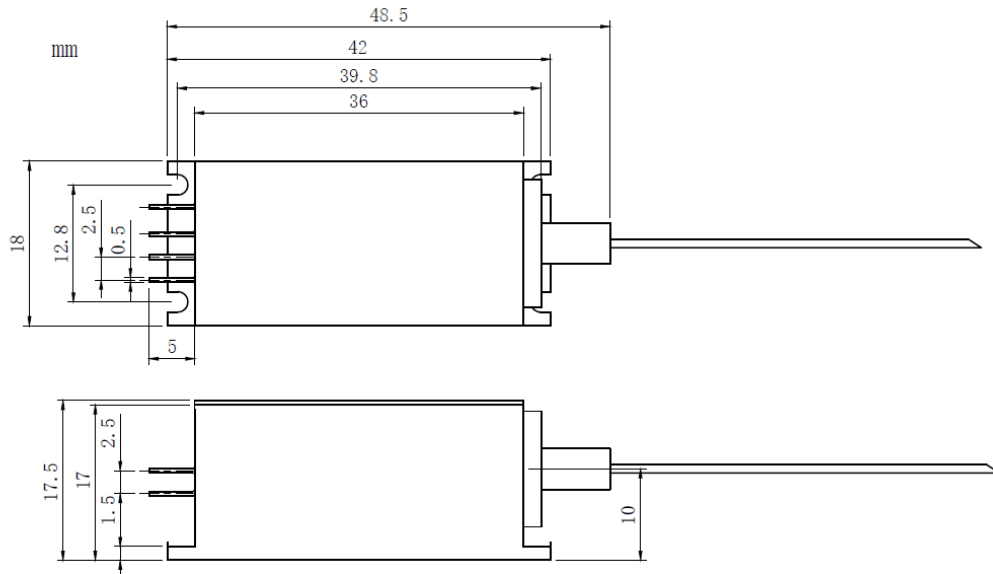
WSLX-460-030m-PM-H8-T

| | Min. | Type | Max. |
|---------------------------------|--------------------------------|-------|-------|
| Center Wavelength@25°C | 450nm | 460nm | 470nm |
| Spectral Width (FWHM) | ---- | 2nm | ---- |
| Output Power | ---- | 30mW | ---- |
| Recommend Operating Temperature | 25 °C | | |
| Threshold Current (Typ.) | ---- | 25mA | 60mA |
| Operating Current (Typ.) | ---- | 140mA | 160mA |
| Operating Voltage | | 6.0V | 7.0V |
| 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 | | |

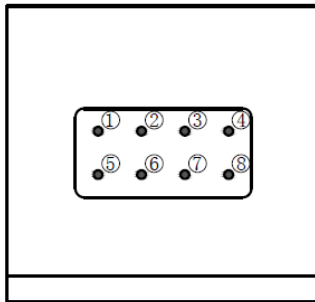
High Polarization Extinction Ratio (PER) Version Laser Module is also available, please contact us.



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 460nm Fiber Coupled LD.**

- Customized Output Power
- Customized Fiber Core
- Dual-Wavelength or Tri-Wavelength Module Optional
(such as 2W@460nm+ 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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