

445nm~450nm 30mW Single Mode Fiber Coupled Diode Laser With Photodiode (PD) | Built-in TEC cooler

445nm 30mW |HHL Package| SM Fiber| Blue Diode Laser | Built-in TEC Cooling | High Stability

WSLX-445-030m-4-H8-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:**

- 450nm
- 3um SM Fiber
- Built-in TEC Cooling
- Built-in Photodiode

**Applications:**

- Medical Laser Treatment
- Others



**Specifications**

**WSLX-445-030m-4-H8-T-PD**

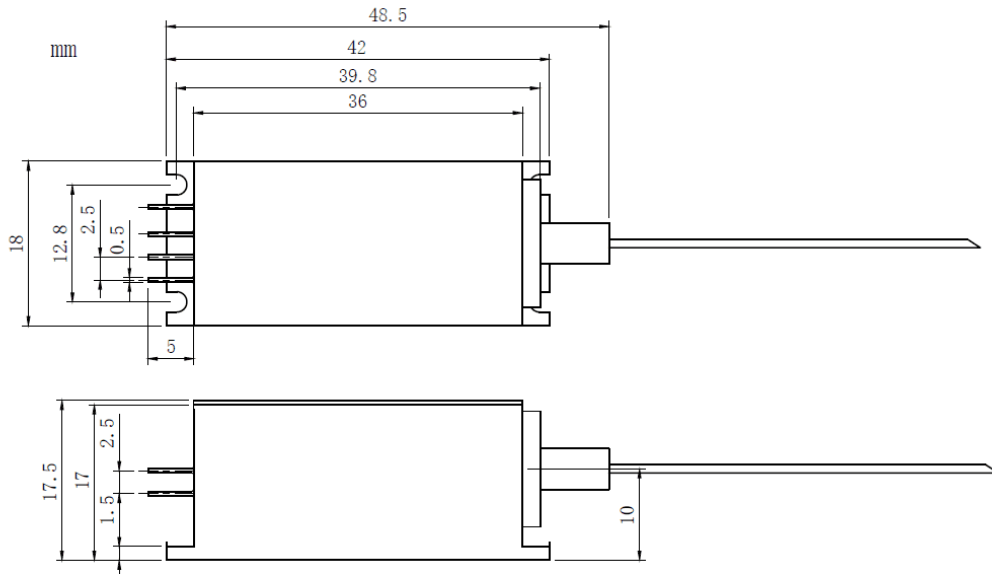
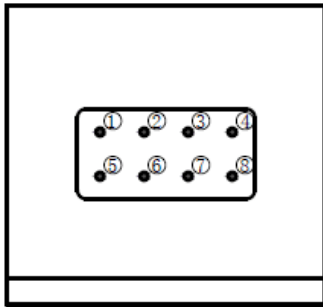
	Min.	Type	Max.
Center Wavelength@25°C	440nm	450nm	460nm
Spectral Width (FWHM)	----	2nm	----
Output Power	----	30mW	----
Recommend Operating Temperature	25 °C		
Threshold Current (Typ.)	----	25mA	60mA
Operating Current (Typ.)	----	140mA	160mA
Operating Voltage	----	6.0V	7.0V
TEC Max Current	1.3A		
TEC 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		
Photodiode	Built-in		

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**8-Pin Package View:**

**Pin Out:**


PIN	FUNCTION	PIN	FUNCTION
1	RT	5	PD(+)
2	LD(-)	6	PD(-)
3	LD(+)	7	TEC(-)
4	RT	8	TEC(+)

**Wavespectrum offer Customized 445nm Fiber Coupled LD.**

- Customized Output Power
- Customized Fiber Core
- Dual-Wavelength or Tri-Wavelength Module Optional  
(such as 2W@445nm+ 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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