

445nm~450nm 50mW PM Fiber Coupled Diode Laser With TEC Cooler |Blue Laser Diode Module
445nm 50mW Pigtailed Laser Module with Polarization Maintaining Fiber |8-Pin HHL Package| High Stability
WSLX-445-050m-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:

- 450nm
- 3um PM Fiber
- Built-in TEC Cooling
- 8-Pin Package

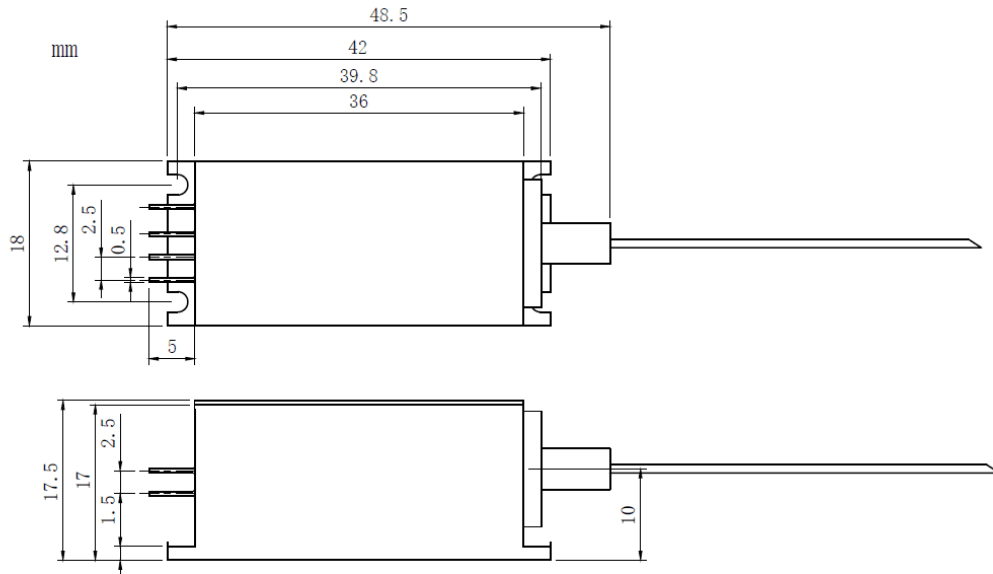
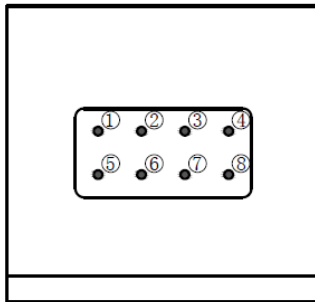
Applications:

- Medical Laser Treatment
- Biotechnology
- Others


Specifications
WSLX-445-050m-PM-H8-T

	Min.	Type	Max.
Center Wavelength@25°C	440nm	450nm	460nm
Spectral Width (FWHM)	----	2nm	----
Output Power	----	50mW	----
Recommend Operating Temperature	25 °C		
Threshold Current (Typ.)	----	25mA	65mA
Operating Current (Typ.)	----	150mA	170mA
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 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

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

Suggest using the constant current power supply.



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