

445nm~450nm 50mW 9um Pigtailed Diode Laser With TEC Cooler | Built-in Photodiode Optional
445nm 50mW |8-Pin HHL Package| 9um Single mode Fiber| Blue Diode Laser | Built-in TEC Cooling
WSLX-445-050m-9-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
- 8-Pin Package
- Built-in TEC Cooling
- Built-in PD Optional

Applications:

- Medical Laser Treatment
- Others



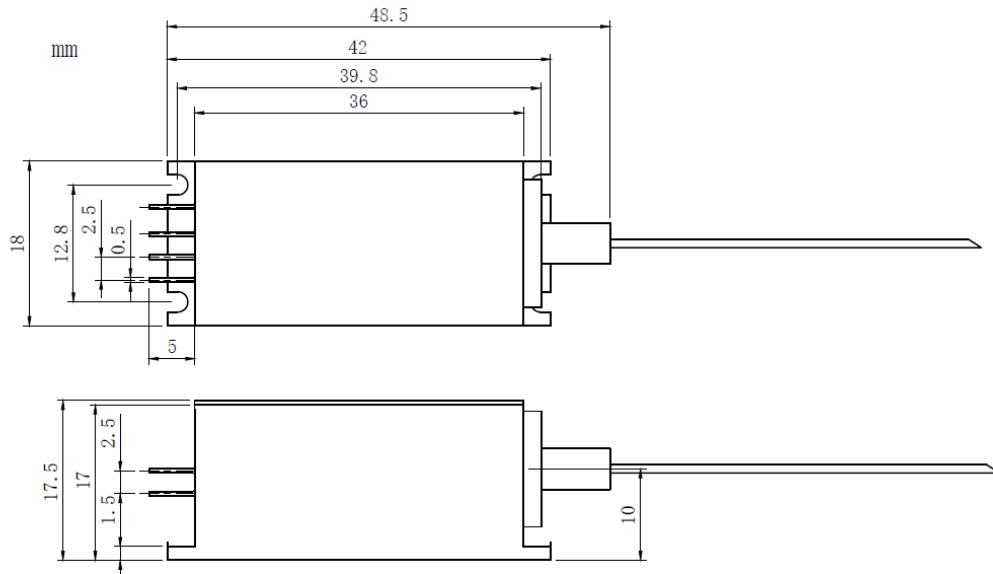
Specifications

WSLX-445-050m-9-H8-T

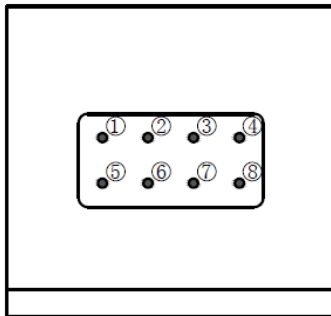
	Min.	Type	Max.
Center Wavelength@25°C	440nm	450nm	460nm
Spectral Width (FWHM)	----	2nm	----
Output Power	----	50mW	----
Recommend Operating Temperature	25 °C		
Threshold Current (Typ.)	----	20mA	55mA
Operating Current (Typ.)	----	100mA	120mA
Operating Voltage	----	6.0V	7.0V
Monitor Current	----	----	----
TEC Max Current	1.3A		
TEC Max Voltage	4.0V		
Thermistor	10K		
Fiber Type	SMF-28		
Fiber Core	9um		
Fiber Length	>80cm		
Connector Type	FC/SC/SMA905		
Package Style	8-PIN		



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 3W@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.



Wavespectrum Laser Group
www.wavespectrum-laser.com
sales@wavespectrum-laser.com

