

445nm~450nm 15mW Single Mode Pigtailed Diode Laser With TEC Cooler | Built-in Photodiode Optional  
 445nm 15mW~20mW |8-Pin HHL Package| 3um UV Single mode Fiber| Blue Diode Laser | Built-in TEC Cooling  
 WSLX-445-015m-4-H8-T                      Wavespectrum Laser Group                      www.wavespectrum-laser.com

PARAMETER	SYMBOL	VALUE	UNIT
Reverse Voltage	$V_r$	2.0	V
Operating Temperature	$T_{op}$	+10 ~ +30	°C
Storage Temperature	$T_{stg}$	-40 ~ +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**

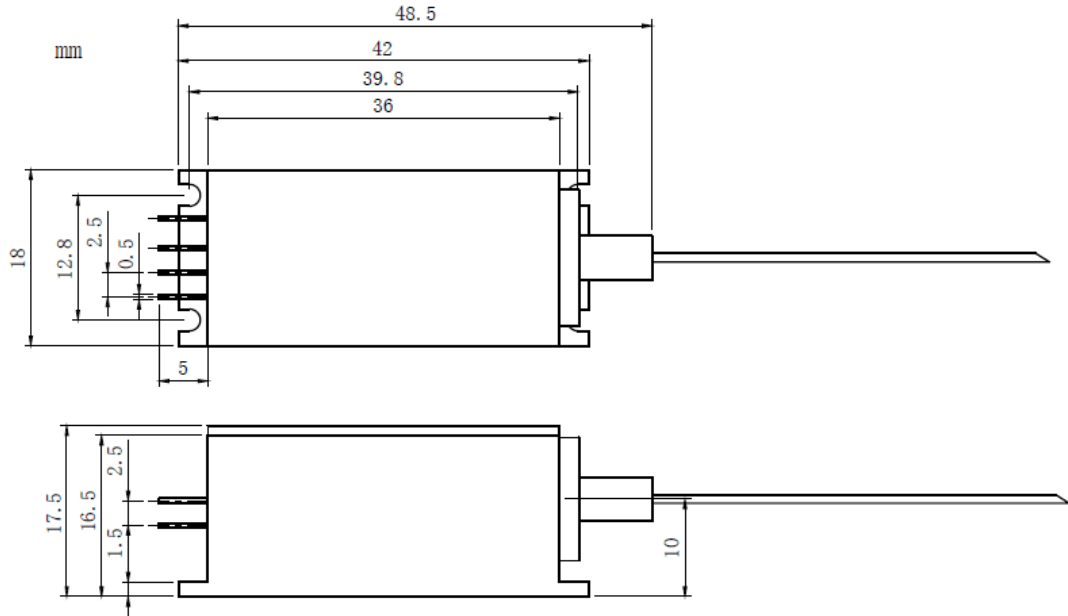
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	Min.	Type	Max.
Center Wavelength@25°C	440nm	450nm	460nm
Spectral Width (FWHM)	----	2nm	----
Output Power	----	15mW	----
Recommended Operating Temperature	25 °C		
Threshold Current (Typ.)	----	20mA	60mA
Operating Current (Typ.)	----	120mA	140mA
Operating Voltage	----	6.0V	7.0V
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		

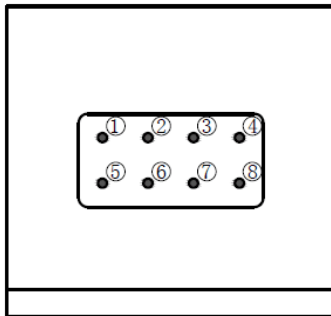
Wavespectrum Laser Group  
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**8-Pin Package View:**



**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 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](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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