

1470nm 2.5W~3W Fiber Coupled Laser Diode Module | Built-in TEC Cooler |9-Pin HHL Package

1470nm 3W|9-PIN Package| 105um 200um 400um Fiber Core| High Power Infrared LD | Built-in PD

WSLX-1470-003-M-H9-T-PD

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}	-20 ~ +80	°C
Lead soldering temperature (10 sec.)	T_{is}	260	°C

Features:

- 1470nm
- Multi-mode Fiber
- 9-Pin Package
- Built-in TEC Cooler
- Built-in Photodiode

Applications:

- Medical Laser Treatment
- Others



Specifications

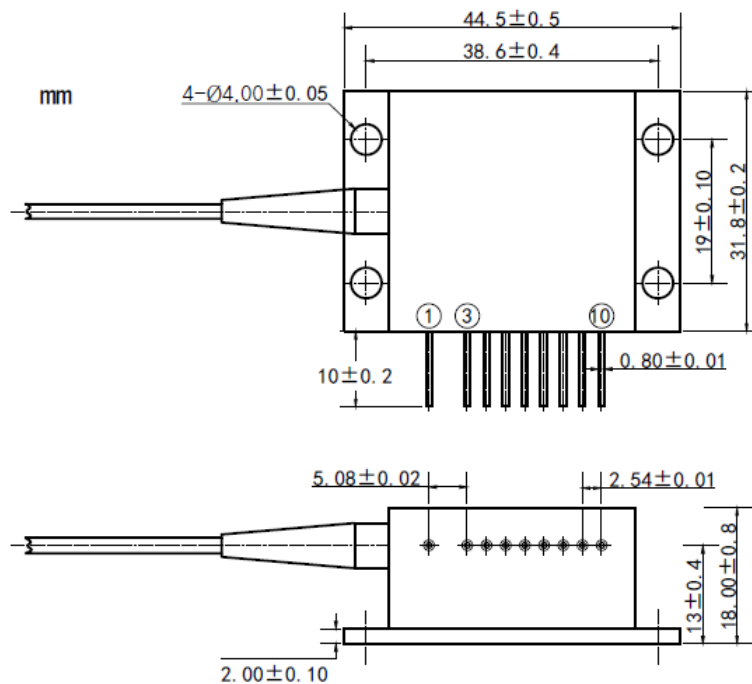
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	Min.	Type	Max.
Center Wavelength@25°C	1470nm ± 30nm		
Spectral Width (FWHM)		10nm	
Output Power	2.5W	3W	-----
Temperature Coefficient of Wavelength		0.7nm / °C	
Threshold Current (Typ.)		0.5A	
Operating Current (Typ.)		10.0A	
Operating Voltage		2.0V	
Recommended Case Temperature	25°C		
TEC Max. Current	6A		
TEC Max. Voltage	9.8V		
Thermistor	10K		
Fiber Core Diameter	105um (200um 400um Optional)		
Fiber Length	>80cm		
Connector Type	SMA905 / ST / FC		
Package Style	9-Pin		
Photodiode	Built-in		

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9-Pin Package View:



PIN	FUNCTION
1	TEC (-)
2	-
3	CASE
4	LD (+)
5	THERM
6	THERM
7	LD (-)
8	PD (P)
9	PD (N)
10	TEC (+)

Wavespectrum offer Customized 1470nm Fiber Coupled LD.

- Customized Output Power
- Customized Fiber Core
- Dual-Wavelength or Tri-Wavelength Module Optional (such as 2w@1470nm + 350mw@635nm)

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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