

785nm 3W Fiber Coupled Laser Diode with 9-PIN HHL Package | Built-in Photodiode (PD)

780nm~785nm | 9-Pin HHL Package | TEC Cooling | 105um or 200um Fiber Core | High Power LD

WSLX-785-003-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:

- 785nm
- 9-Pin HHL Package
- Built-in TEC Cooler
- Built-in PD

Applications:

- Medical Laser Treatment
- Pumping
- Others



Specifications

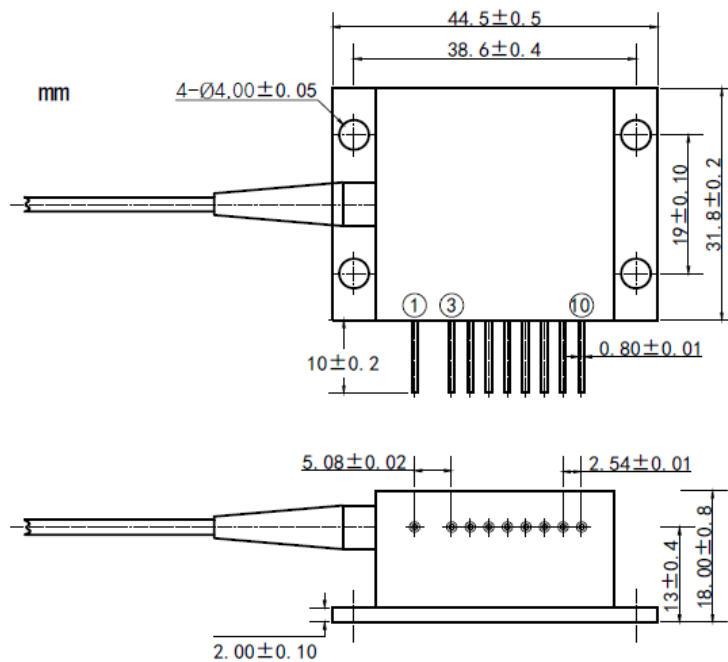
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	Min	Type	Max
Center Wavelength@25°C	785nm ± 10nm		
Spectral Width (FWHM)		2nm	
Output Power	----	3W	----
Temperature Coefficient of Wavelength		0.3nm / °C	
Threshold Current (Typ.)	----	1.2A	----
Operating Current (Typ.)	----	5.2A	----
Operating Voltage	----	2.0V	----
Recommended Case Temperature	25°C		
TEC Max. Current	6A		
TEC Max. Voltage	9.8V		
Fiber Core Diameter	105um		
Fiber Numerical Aperture	0.22		
Package	9-Pin		
Fiber Length	>80cm		
Connector Type	FC (SMA905 Optional)		

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9-PIN HHL 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 785nm Fiber Coupled LD.**

- Customized Output Power
- Customized Fiber Core
- Dual-Wavelength or Tri-Wavelength Module Optional
(such as 10W@785nm + 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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