

1550nm 5mW Single Mode Fiber Coupled Diode Laser With Photodiode (PD) | Built-in TEC cooler
1550nm 5mW| 8-Pin HHL Package| DFB Laser| Built-in TEC Cooling | Built-in Isolator Optional
WSLX-1550-005m-9-H8-T-DFB
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 ~ +85	°C
Lead soldering temperature (10 sec.)	T_{is}	260	°C

Features:

- 1550nm
- 9um SM Fiber
- Built-in TEC Cooling
- Built-in Isolator Optional

Applications:

- Medical Laser Treatment
- Others

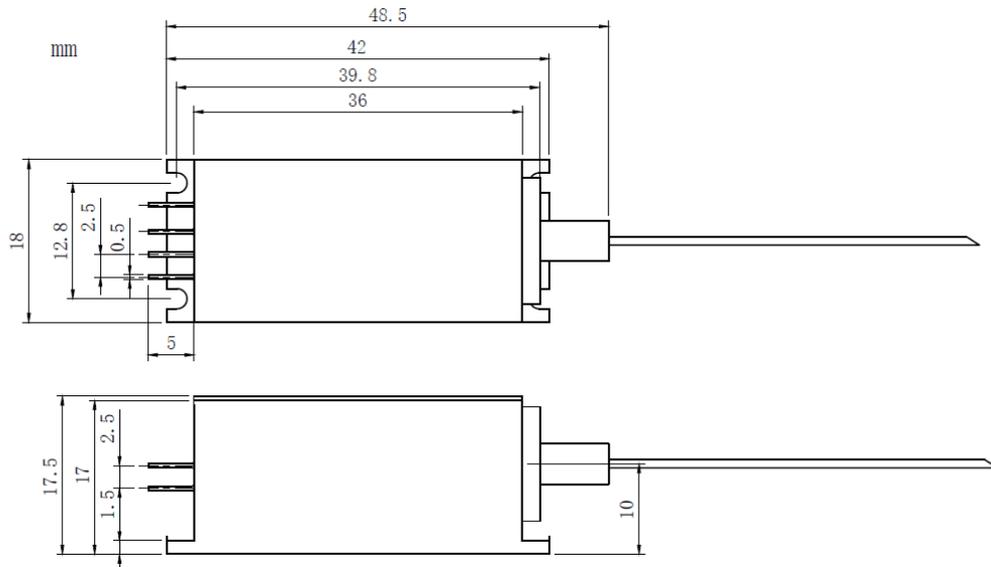

Specifications
WSLX-1550-005m-9-H8-T-DFB

	Min.	Type	Max.
Center Wavelength@25°C	±3nm	1550nm	±10nm
Spectral Width (FWHM)	----	----	2nm
Output Power	----	5mW	----
Recommended Operating Temperature	25 °C		
Threshold Current (Typ.)	----	5mA	15mA
Operating Current (Typ.)	----	60mA	70mA
Operating Voltage	----	1.4V	1.7V
Optical Isolation	----	----	----
TEC Max Current	1.3A		
TEC Max Voltage	4.0V		
Thermistor	10K		
Fiber Type	9um Single Mode Fiber		
Fiber Length	>80cm		
Connector Type	FC/SC/SMA905		
Photodiode	Built-in		
Package Style	8-PIN		

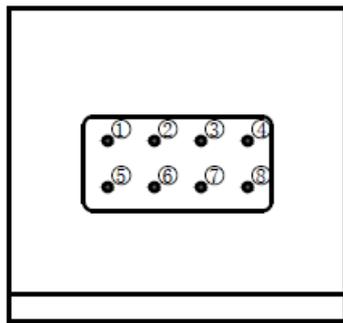
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8-Pin Package View:



Pin Out:



PIN	FUNCTION	PIN	FUNCTION
1	RT	5	PD(+)
2	LD(-)	6	PD(-)
3	LD(+)	7	TEC(-)
4	RT	8	TEC(+)

Wavespectrum offer **Customized 1550nm Fiber Coupled LD.**

- Customized Output Power
- Customized Fiber Core
- Dual-Wavelength or Tri-Wavelength Module Optional
(such as 2W@1550nm+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.

