405nm 50mW Single Mode Fiber Coupled Diode Laser With Photodiode (PD) | Built-in TEC cooler

405nm 50mW |HHL Package| SM Fiber| Violet Diode Laser | Built-in TEC Cooling | High Stability

WSLX-405-050m-4-H8-T-PD 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	℃
Storage Temperature	T_{stg}	-20 ~+80	℃
Lead soldering temperature (10 sec.)	T_{ls}	260	℃

Features:

- 405nm
- 3um SM Fiber
- Built-in TEC Cooling
- Built-in Photodiode

Applications:

- Medical Laser Treatment
- Others

Specifications	WSLX-405-050m-4-H8-T-PD		
	Min.	Type	Max.
Center Wavelength@25℃	405nm±10nm		
Spectral Width (FWHM)	----	2nm	----
Output Power	----	50mW	----
Recommend Operating Temperature	25 °C		
Threshold Current (Typ.)	----	45mA	80mA
Operating Current (Typ.)	----	125mA	140mA
Operating Voltage	----	5.0V	6.0V
TEC Max Current	1.3A		
TEC Max Voltage	4.0V		
Thermistor	10K		
Fiber Type	UV Single Mode Fiber		
Fiber Core	3um		
Fiber Length	>80cm		
Connector Type	FC/SC/SMA905		
Package Style	8-PIN		
Photodiode	Built-in		

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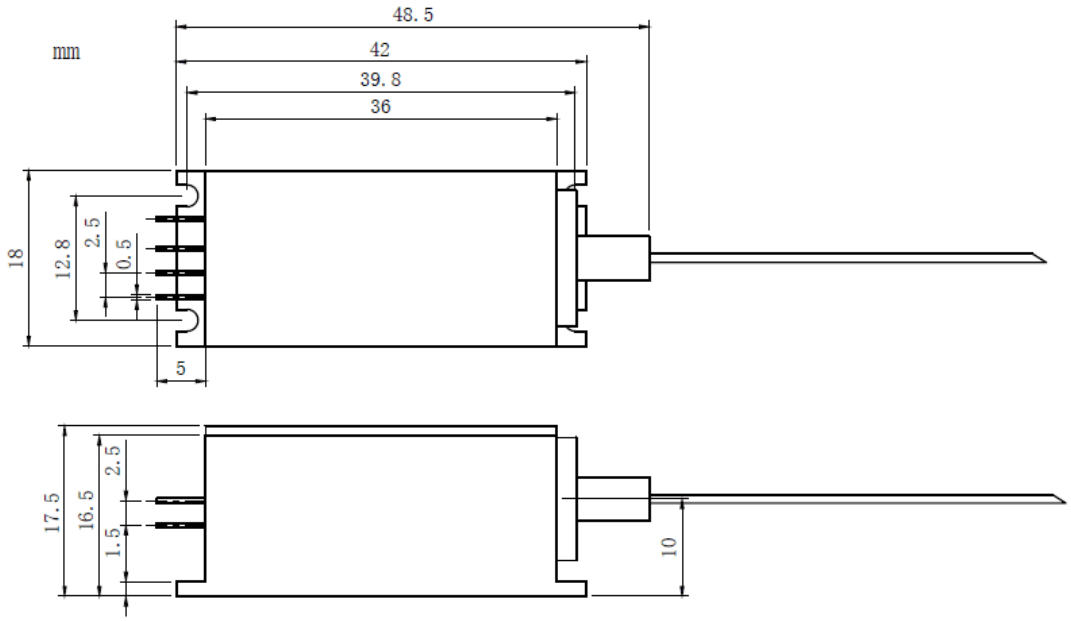
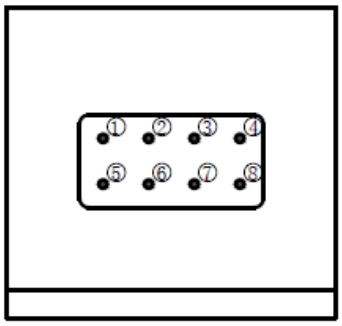
8-Pin Package View:



Pin Out:



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

Wavespectrum offer Customized 405nm Fiber Coupled LD.

- **Customized Output Power**
- **Customized Fiber Core**
- **Dual-Wavelength or Tri-Wavelength Module Optional**
  (such as 300mW@405nm+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.

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