

505nm~510nm 20mW Single Mode Fiber Coupled Diode Laser | Built-in TEC cooler

505nm 20mW |HHL Package| SM Fiber| Green Diode Laser | Built-in TEC Cooling | High Stability

WSLX-505-020m-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:

- 505nm
- 3um SM Fiber
- Built-in TEC Cooling
- Built-in PD Optional

Applications:

- Medical Laser Treatment
- Others



Specifications

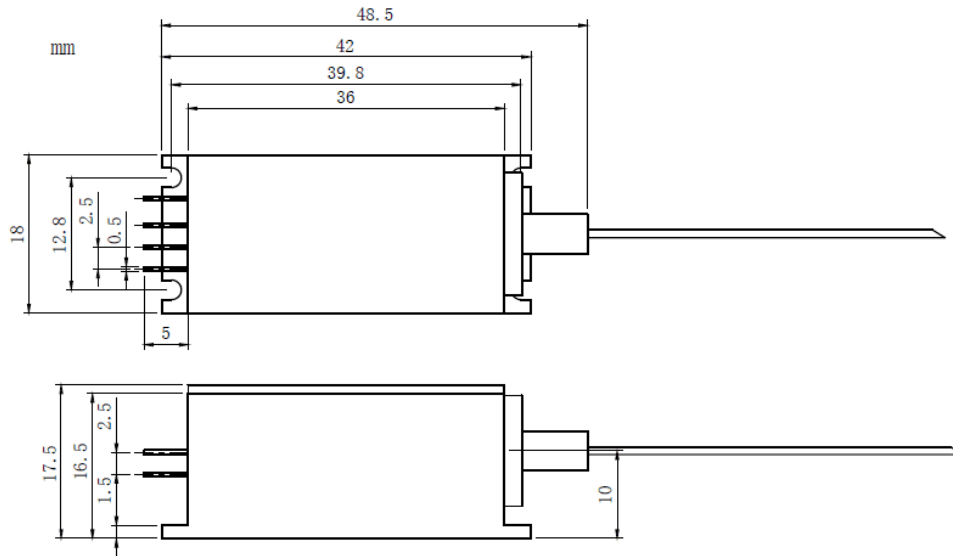
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	Min.	Type	Max.
Center Wavelength@25°C	505nm±10nm		
Spectral Width (FWHM)	----	2nm	----
Output Power	----	20mW	----
Recommend Operating Temperature	25 °C		
Threshold Current (Typ.)	----	55mA	95mA
Operating Current (Typ.)	----	220mA	240mA
Operating Voltage	----	7.5V	8.0V
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		

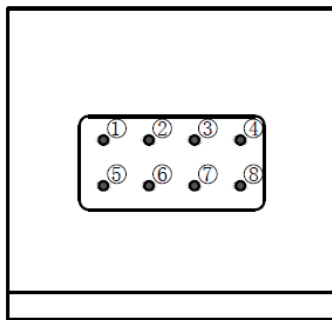
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8-Pin Package View:



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 505nm Fiber Coupled LD.**

- Customized Output Power
- Customized Fiber Core
- Dual-Wavelength or Tri-Wavelength Module Optional
(such as 20mW@505nm + 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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