

480nm~482nm 20mW PM Fiber Coupled Diode Laser With TEC Cooler |Blue Laser Diode Module

480nm 20mW Pigtailed Laser Module with Polarization Maintaining Fiber |8-Pin HHL Package| High Stability

WSLX-480-020m-PM-H8-T

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

Features:

480nm
PM Fiber
Built-in TEC Cooling
8-Pin Package

Applications:

Medical Laser Treatment
Biotechnology
Others



Specifications

WSLX-480-020m-PM-H8-T

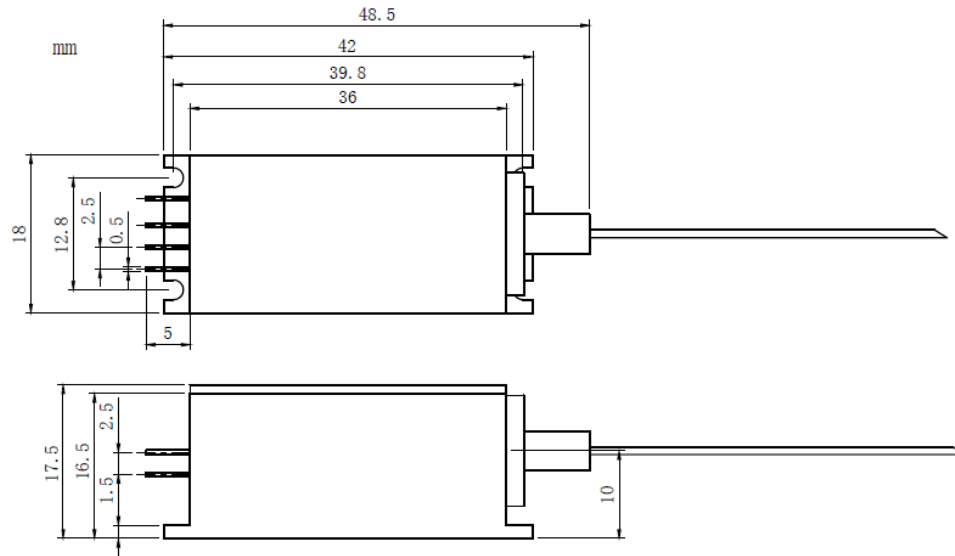
	Min.	Type	Max.
Center Wavelength@25℃	480nm±10nm		
Spectral Width (FWHM)	----	2nm	----
Output Power	----	20mW	----
Recommend Operating Temperature	25 °C		
Threshold Current (Typ.)	----	35mA	70mA
Operating Current (Typ.)	----	140mA	160mA
Operating Voltage		6.5V	8.0V
Polarization Extinction Ratio	13dB	15dB	
TEC Max Current	1.3A		
TEC Max Voltage	4.0V		
Thermistor	10K		
Fiber Type	Polarization Maintaining Fiber		
Fiber Core	3um		
Fiber Length	>80cm		
Connector Type	FC/APC		

High Polarization Extinction Ratio (PER) Version Laser Module is also available, please contact us.

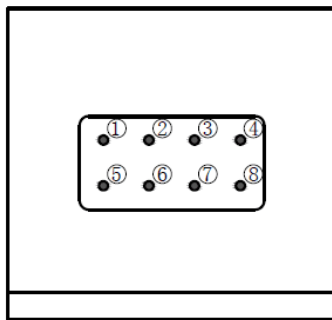
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8-Pin Package View:



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 480nm Fiber Coupled LD.

- Customized Output Power
- Customized Fiber Core
- Dual-Wavelength or Tri-Wavelength Module Optional
(such as 20mW@480nm + 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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