

635nm 1W Fiber Coupled Laser Diode with 9-Pin Package | Built-in TEC cooler

635nm~638nm 1W Pigtailed Diode Laser Module With 9-Pin HHL Package | Built-in PD

WSLX-635-001-M-H9-T-PD

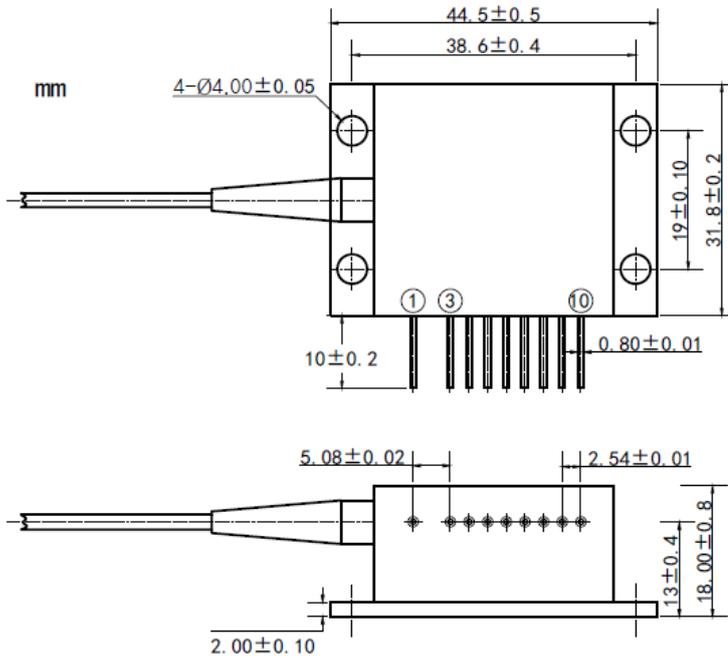
Wavespectrum Laser Group

www.wavespectrum-laser.com

635nm Pigtailed Diode Laser		1W/MM Fiber		en.wavespectrum-laser.com.cn	
PARAMETER	SYMBOL	VALUE	UNIT		
MAX 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		
<b>Features:</b> <ul style="list-style-type: none"> <li>● 638nm</li> <li>● 9-Pin Package</li> <li>● Built-in TEC Cooler</li> <li>● Built-in Photodiode</li> </ul>					
<b>Applications:</b> <ul style="list-style-type: none"> <li>● Medical Laser Treatment</li> <li>● Sensor</li> <li>● Others</li> </ul>					
<b>Specifications</b>	<b>WSLX-635-001-M-H9-T-PD</b>				
	Min	Type	Max		
Center Wavelength@25°C	638nm±10nm				
Output Power	0.9W	1W	----		
Spectral Width (FWHM)	----	2nm	----		
Recommended Operating Temperature	25°C				
Temperature Coefficient of Wavelength	0.2nm / °C				
Threshold Current (Typ.)	----	0.3A	----		
Operating Current (Typ.)	----	1.5A	----		
Operating Voltage	----	2.4V	----		
TEC Max Current	6A				
TEC Max Voltage	9.8V				
Thermistor	10K				
Fiber Core	105um (200um Optional)				
Fiber Numerical Aperture	0.22				
Fiber Connector	FC/SMA905				
Fiber Length	>80cm				
Package Style	9-Pin				



### 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** 635nm Fiber Coupled LD.

- Customized Output Power
- Customized Fiber Core
- Dual-Wavelength or Tri-Wavelength Module Optional  
(such as 3W@635nm+ 12W@808nm)

Contact us with [info@wavespectrum-laser.com](mailto: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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