

645nm 1.8W Fiber Coupled Laser Diode with 9-Pin Package | Built-in TEC cooler

640nm~645nm 1.8W Pigtailed Diode Laser Module With 9-Pin HHL Package | Built-in PD

WSLX-645-1800m-200M-H9-T-PD

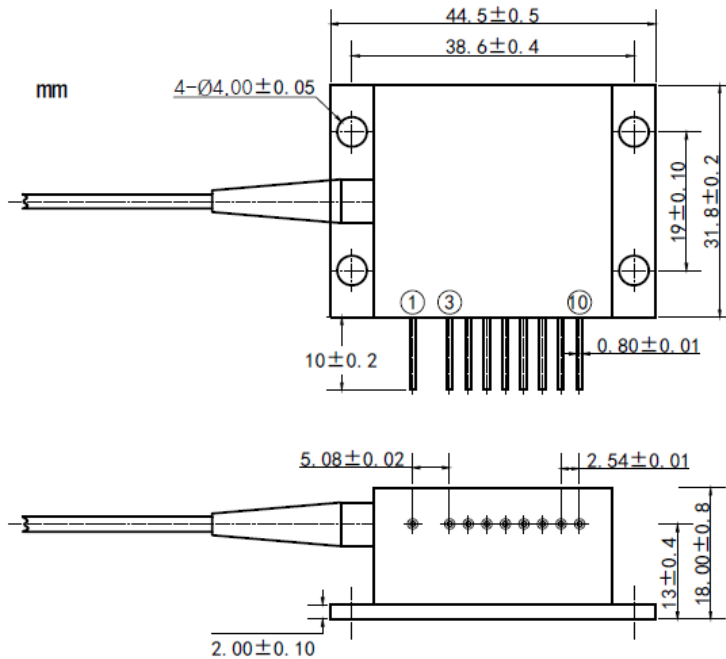
Wavespectrum Laser Group

www.wavespectrum-laser.com

645nm Pigtailed Diode Laser		1.8W/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}	-40~+85		°C	
Lead soldering temperature (10 sec.)	T_{is}	260		°C	
Features: <ul style="list-style-type: none"> • 645nm • 9-Pin Package • Built-in TEC Cooler • Built-in Photodiode 					
Applications: <ul style="list-style-type: none"> • Medical Laser Treatment • Sensor • Others 					
Specifications		WSLX-645-1800m-200M-H9-T-PD			
		Min	Type	Max	
Center Wavelength@25°C		645nm±10nm			
Output Power	1.5W	1.8W	----		
Spectral Width (FWHM)	----	2nm	----		
Recommended Operating Temperature	25°C				
Temperature Coefficient of Wavelength	0.2nm / °C				
Threshold Current (Typ.)	----	0.5A	0.8A		
Operating Current (Typ.)	----	2.5A	2.8A		
Operating Voltage	----	2.4V	2.8V		
TEC Max Current	6A				
TEC Max Voltage	9.8V				
Thermistor	10K				
Fiber Core	200um (400um Optional)				
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** 645nm Fiber Coupled LD.

- Customized Output Power
- Customized Fiber Core
- Dual-Wavelength or Tri-Wavelength Module Optional
(such as 3W@645nm+ 12W@808nm)

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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