

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

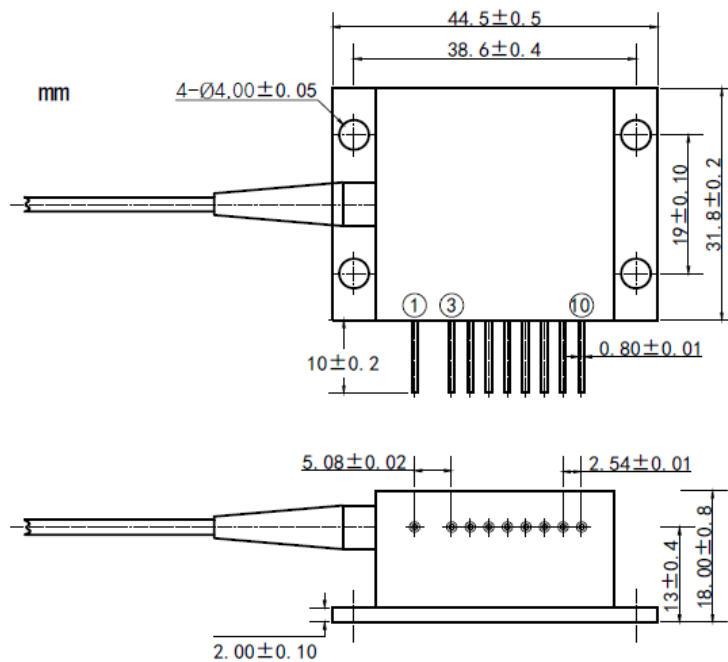
Wavespectrum Laser Group

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}	-20 ~ +80		°C
Lead soldering temperature (10 sec.)		T _{is}	260		°C
Features: 645nm 9-Pin Package Built-in TEC Cooler Built-in Photodiode					
Applications: 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 Diameter	200um (400um 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 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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