

**445nm~450nm 3.5W HHL Package Fiber Coupled Diode Laser With MM Fiber | Blue Laser Diode**
**445nm 3.5W | 9-Pin HHL Package | 105um fiber optional |TEC Cooling | Built-in PD**
**WSLX-445-3500m-H9-T-PD(105um)**
**Wavespectrum Laser Group**
**www.wavespectrum-laser.com**

PARAMETER	SYMBOL	VALUE	UNIT
MAX Reverse Current	$I_r$	80	mA
Operating Temperature	$T_{op}$	0 ~ +60	°C
Storage Temperature	$T_{stg}$	-40 ~ +85	°C
Lead soldering temperature (10 sec.)	$T_{is}$	260	°C

**Features:**

- 445nm
- 3.5W Output Power
- Built-in TEC Cooling
- Built-in PD
- High Stability

**Applications:**

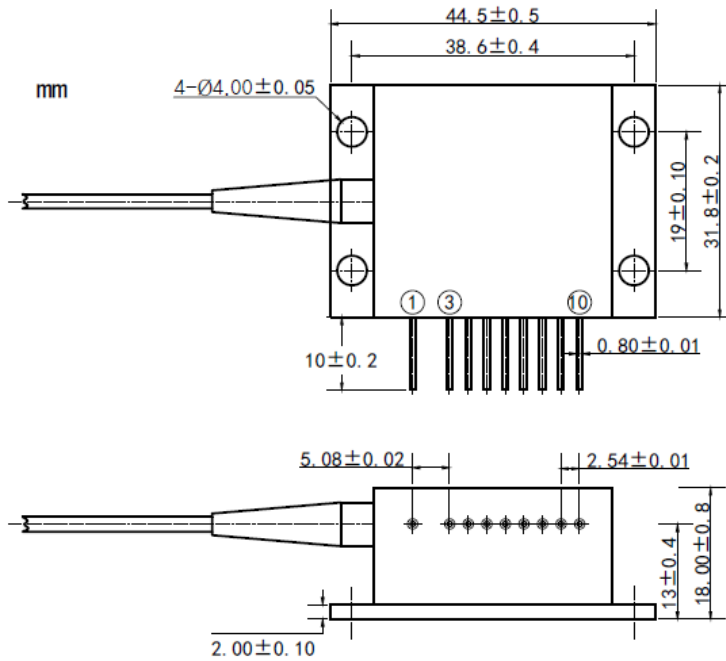
- Medical Laser Treatment
- Others


**Specifications**
**WSLX-445-3500m-H9-T-PD(105um)**

	Min.	Type	Max.
Center Wavelength@25°C	±5nm	450nm	±15nm
Spectral Width (FWHM)	----	3nm	----
Output Power	----	3.5W	----
Recommend Operating Temperature	25 °C		
Threshold Current (Typ.)	----	0.2A	0.5A
Operating Current (Typ.)	----	3.0A	3.3A
Operating Voltage		4.5V	5.5V
TEC Max Current	6A		
TEC Max Voltage	9.8V		
Fiber Type	Multi-mode Fiber		
Fiber Core	105um (200um optional)		
Fiber Length	>80cm		
Connector Type	SMA905/FC		
Photodiode	Built-in		



### 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** 445nm Fiber Coupled LD.

- Customized Output Power
- Customized Fiber Core
- Dual-Wavelength or Tri-Wavelength Module Optional  
(such as 500mw@445nm+10W@980nm)

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.



Wavespectrum Laser Group  
[www.wavespectrum-laser.com](http://www.wavespectrum-laser.com)  
[sales@wavespectrum-laser.com](mailto:sales@wavespectrum-laser.com)

