

650nm~653nm 700mW Fiber Coupled Laser Diode Module with TEC cooler | Built-in Photodiode

653nm~655nm Red Laser Module with 9-Pin Package| 50um Fiber Core | 0.7W Output Power

WSLX-653-700m-50M-H9-T-PD

Wavespectrum Laser Group

www.wavespectrum-laser.com

PARAMETER	SYMBOL	VALUE	UNIT
MAX Reverse Voltage	$V_r$	2.0	V
Operating Temperature	$T_{op}$	0~ +20	°C
Storage Temperature	$T_{stg}$	-20~ +80	°C
Lead soldering temperature (10 sec.)	$T_{is}$	260	°C

**Features:**

- 653nm
- 9-Pin Package
- Built-in TEC cooler
- Built-in PD

**Applications:**

- Medical Laser Treatment
- Laser Show
- Others



**Specifications**

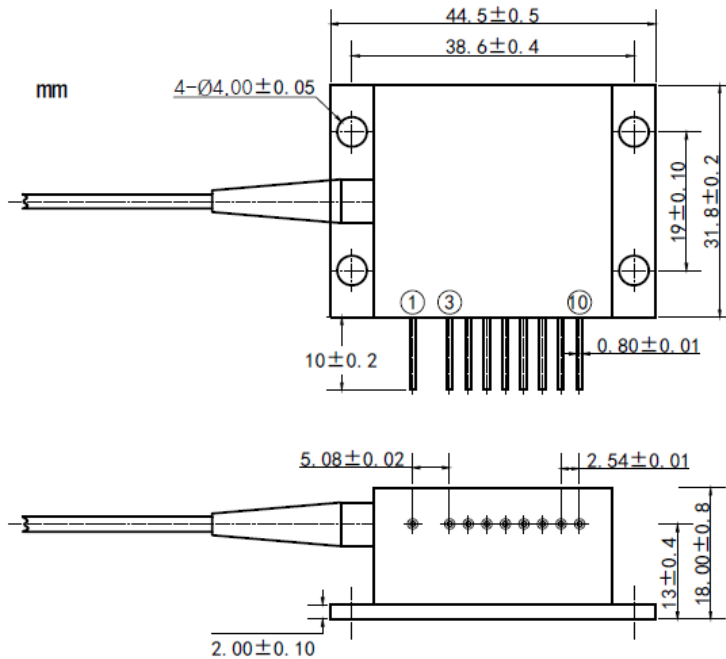
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	Min	Type	Max
Center Wavelength@15°C	653nm ± 10nm		
Spectral Width (FWHM)	----	2nm	----
Output Power	----	700mW	----
Temperature Coefficient of Wavelength	----	0.2nm / °C	----
Threshold Current (Typ.)	----	0.4A	----
Operating Current (Typ.)	----	1.1A	----
Operating Voltage	----	2.6V	----
Recommended Case Temperature	≤15°C		
TEC Max. Current	6A		
TEC Max. Voltage	9.8V		
Thermistor	10K		
Fiber Core Diameter	50um		
Numerical Aperture	0.22		
Fiber Length	>80cm		
Connector Type	SMA905/FC		
Package Style	9-Pin Package		

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 sales@wavespectrum-laser.com



## 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 (+)

Electrically shorten LD module and store in non-extreme conditions.  
Suggest using the constant current power supply.

Wavespectrum offer **Customized 653nm Fiber Coupled LD.**

- Customized Output Power
- Customized Fiber Core
- Dual-Wavelength or Tri-Wavelength Module Optional  
(such as 2w@653nm+10w@808nm)

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



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

