

690nm~695nm 800mW Fiber Coupled Laser Diode Module with TEC cooler | Built-in Photodiode

690nm Red Laser Module with 9-Pin Package| 105um 200um Fiber Core | 800mW Output Power

WSLX-690-800m-M-H9-T-PD

Wavespectrum Laser Group

www.wavespectrum-laser.com

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

**Features:**

- 690nm
- 9-Pin Package
- Built-in TEC cooler
- Built-in PD

**Applications:**

- Medical Laser Treatment
- Laser Show
- Others



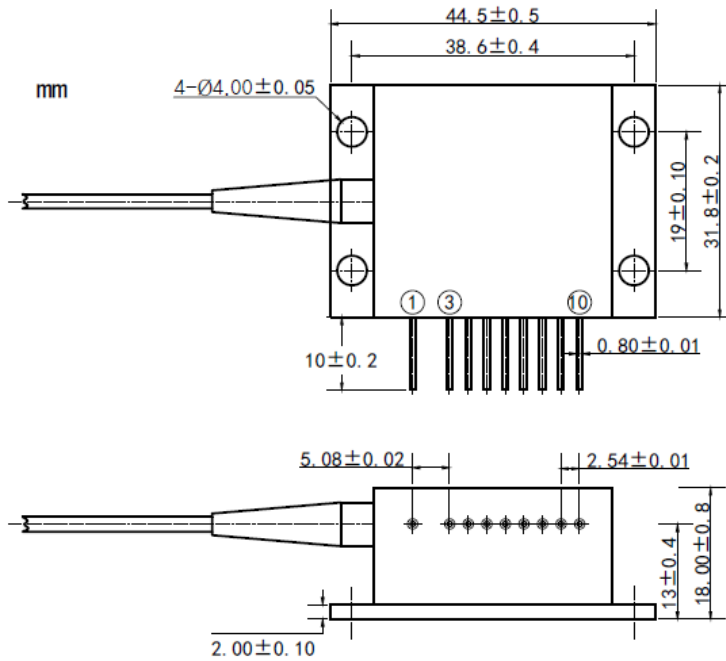
**Specifications**

**WSLX-690-800m-M-H9-T-PD**

	Min	Type	Max
Center Wavelength@18°C	690nm±10nm		
Spectral Width (FWHM)	----	2nm	----
Output Power	----	750mW	800mW
Temperature Coefficient of Wavelength	----	0.25nm / °C	----
Threshold Current (Typ.)	----	0.4A	0.7A
Operating Current (Typ.)	----	1.3A	1.5A
Operating Voltage	----	2.4V	2.8V
Recommended Case Temperature	≤18°C		
TEC Max. Current	6A		
TEC Max. Voltage	9.8V		
Fiber Core Diameter	105um (200um 400um Optional)		
Fiber Length	100cm		
Connector Type	SMA905/FC		
Package Style	9-Pin Package		



### 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 690nm Fiber Coupled LD.**

- Customized Output Power
- Customized Fiber Core
- Dual-Wavelength or Tri-Wavelength Module Optional  
 (such as 2W@690nm+ 10w@808nm)

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

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