

760nm~770nm 1W~1.5W Fiber Coupled LD with 14-pin Butterfly (BF) Package

770nm|14-pin Butterfly Package| 105um 200um or 400um Fiber Core| High Power Laser Diode

WSLX-770-001-H-T

Wavespectrum Laser Group

www.wavespectrum-laser.com

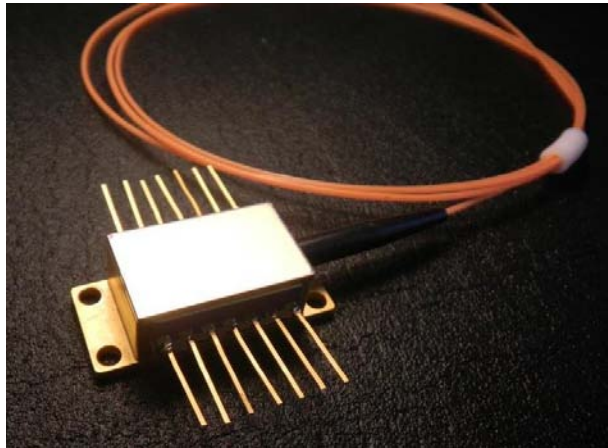
PARAMETER	SYMBOL	VALUE	UNIT
Reverse Voltage	V_r	2.0	V
Operating Temperature	T_{op}	+10 ~ +30	°C
Storage Temperature	T_{stg}	-20 ~ +85	°C
Lead soldering temperature (10 sec.)	T_{is}	260	°C

Features:

- 770nm
- 14-pin or 9-pin package
- Built-in TEC Cooling
- Built-in Photodiodes Optional

Applications:

- Medical laser treatment
- Sensing
- Others



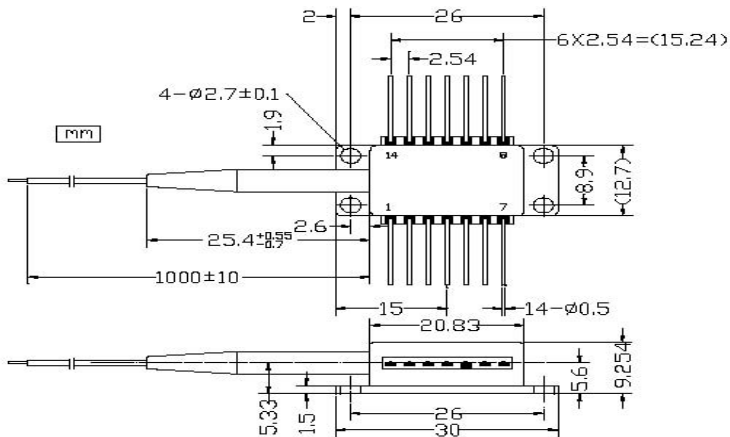
Specifications

WSLX-770-001-H-T

	Min	Type	Max
Center Wavelength@25°C	+/-3nm	770nm	+/-10nm
Spectral Width (FWHM)	3nm		
Output Power	----	1.5W	----
Temperature Coefficient of Wavelength	0.3nm / °C		
Threshold Current (Typ.)	300mA		
Operating Current (Typ.)	2.5A		
Operating Voltage	2.3V		
Recommended Case Temperature	25°C		
TEC Max Current	1.8A		
TEC Max Voltage	2.5V		
Fiber Core	200um (105um or 400um Optional)		
Fiber Length	80cm		
Connector Type	SMA905/ST/FC		
Package Style	14-PIN Butterfly or 9-PIN HHL		
Photodiodes	Optional		

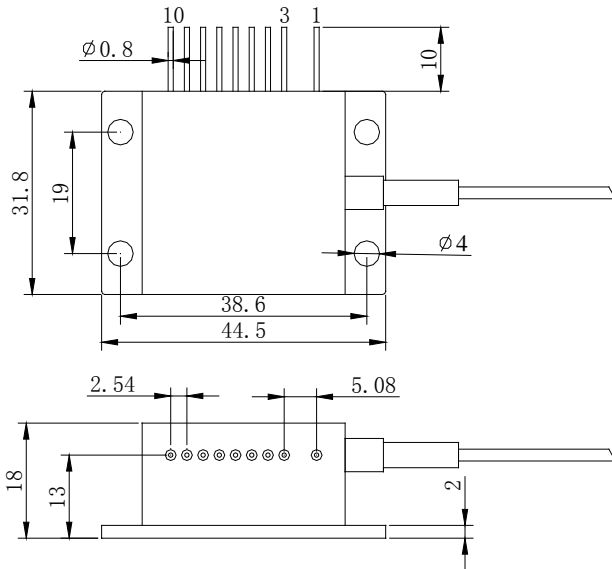


14-Pin Package View



PIN	FUNCTION	PIN	FUNCTION
1	TEC (+)	8	NC
2	Thermistor	9	NC
3	PD (+)	10	LD (+)
4	PD (-)	11	LD (-)
5	Thermistor	12	NC
6	NC	13	Case Ground
7	NC	14	TEC (-)

9-Pin Package View



PIN	FUNCTION	PIN	FUNCTION
1	TEC (-)	6	THERM
2	-	7	LD (-)
3	CASE	8	PD (P)
4	LD (+)	9	PD (N)
5	THERM	10	TEC (+)

Electrically shorten LD module and store in non-extreme conditions.

Suggest using the constant current power supply.

