

**1490nm 500mW Fiber Coupled Laser Diode Module | Built-in TEC Cooler |14-Pin Butterfly Package**
**1490nm 0.5W|14-PIN (BTF) Package| 105um 200um 400um Fiber Core| High Power LD | Built-in PD**
**WSLX-1490-500m-M-H14-T-PD**
**Wavespectrum Laser Group**
**en.wavespectrum-laser.com.cn**

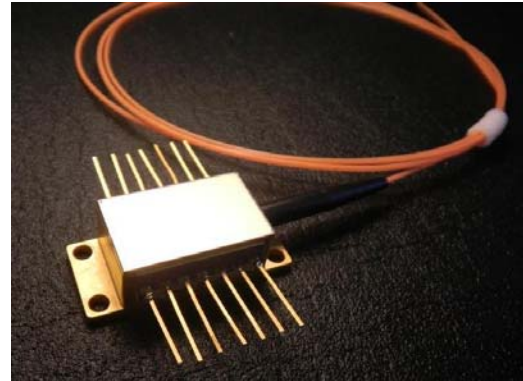
PARAMETER	SYMBOL	VALUE	UNIT
Reverse Voltage	$V_r$	2.0	V
Operating Temperature	$T_{op}$	+10 ~ +30	°C
Storage Temperature	$T_{stg}$	-20 ~ +80	°C
Lead soldering temperature (10 sec.)	$T_{is}$	260	°C

**Features:**

- 1490nm
- Multimode Fiber
- 14-Pin Package
- Built-in TEC Cooler
- Built-in Photodiode

**Applications:**

- Medical Laser Treatment
- Others

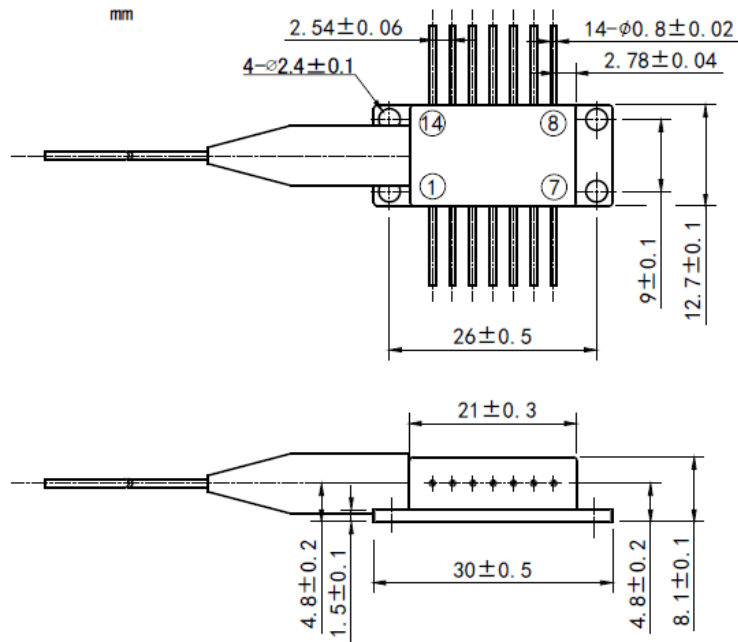

**Specifications**
**WSLX-1490-500m-M-H14-T-PD**

	Min.	Type	Max.
Center Wavelength@25°C	1490nm ± 40nm		
Spectral Width (FWHM)	-----	8nm	-----
Output Power	-----	500mW	-----
Temperature Coefficient of Wavelength		0.7nm / °C	
Threshold Current (Typ.)	0.5A		
Operating Current (Typ.)	3.0A		
Operating Voltage	1.5V		
Recommended Case Temperature	25°C		
TEC Max. Current	2A		
TEC Max. Voltage	8V		
Thermistor	10K		
Fiber Core Diameter	105um (200um 400um Optional)		
Fiber Numerical Aperture	0.22		
Fiber Length	>80cm		
Connector Type	SMA905/ST/FC		
Package Style	14-Pin-01		

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### 14-Pin-01 Package View



### Pin Out:

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

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

Suggest using the constant current power supply.

