

**830nm 2W 50um Fiber Coupled Laser Diode with 14-PIN Butterfly Package | Built-in PD**
**830nm | 14-Pin (BTF) Package | TEC Cooling | 50um Fiber Core | High Power LD**
**WSLX-830-002-50M-H14-T-PD**
**Wavespectrum Laser Group**
**www.wavespectrum-laser.com**

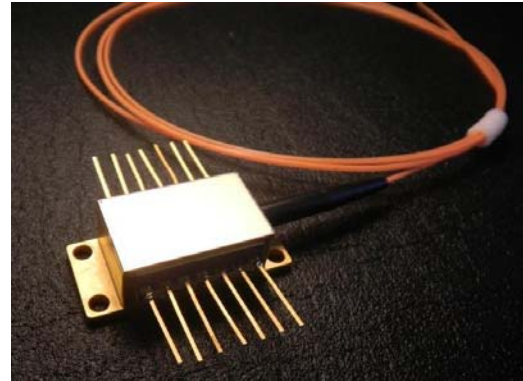
PARAMETER	SYMBOL	VALUE	UNIT
Reverse Voltage	$V_r$	2.0	V
Operating Temperature	$T_{op}$	+10 ~ +30	°C
Storage Temperature	$T_{stg}$	-20 ~ +80	°C
Lead soldering temperature (10 sec.)	$T_{is}$	260	°C

**Features:**

- 830nm
- 14-Pin HHL Package
- Built-in TEC Cooler
- Built-in Photodiode

**Applications:**

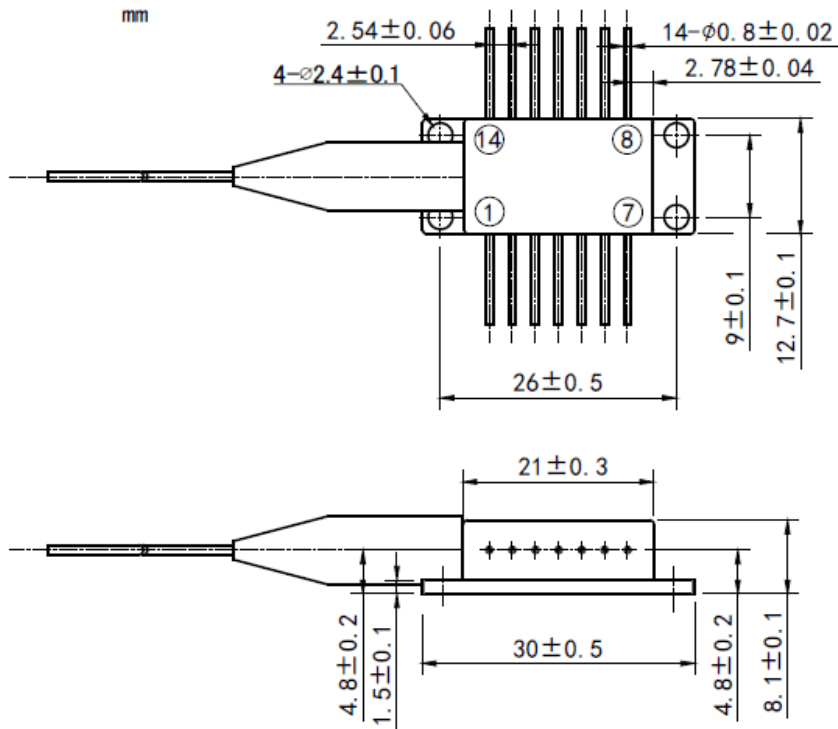
- Medical Laser Treatment
- Pumping
- Others


**Specifications**
**WSLX-830-002-50M-H14-T-PD**

	Min	Type	Max
Center Wavelength@25°C	820nm	830nm	840nm
Spectral Width (FWHM)		3nm	
Output Power		2W	
Temperature Coefficient of Wavelength		0.3nm / °C	
Threshold Current (Typ.)		0.5A	
Operating Current (Typ.)		3.2A	
Operating Voltage		2.0V	
Recommended Case Temperature		25°C	
TEC Max. Current		2A	
TEC Max. Voltage		8V	
Fiber Core Diameter		50um	
N.A.		0.22	
Package		14-PIN HHL	
Fiber Length		>80cm	
Connector Type		FC (SMA905 Optional)	

Wavespectrum Laser Group  
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**14-Pin 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.

