

840nm~850nm 2W Fiber Coupled Laser Diode with 14-PIN Butterfly Package | Built-in PD

840nm | 14-Pin (BTF) Package | TEC Cooling | 105um or 200um Fiber Core | High Power LD

WSLX-840-002-M-H14-T-PD

Wavespectrum Laser Group

en.wavespectrum-laser.com.cn

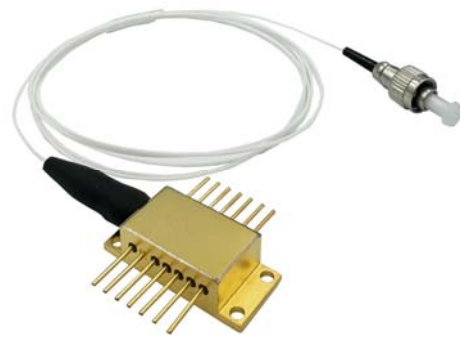
PARAMETER	SYMBOL	VALUE	UNIT
Reverse Voltage	V_r	2.0	V
Operating Temperature	T_{op}	+10 ~ +30	°C
Storage Temperature	T_{stg}	-20 ~ +80	°C
Lead soldering temperature (10 sec.)	T_{is}	260	°C

Features:

- 840nm
- 14-Pin HHL Package
- Built-in TEC Cooler
- Built-in Photodiode

Applications:

- Medical Laser Treatment
- Pumping
- Others



Specifications

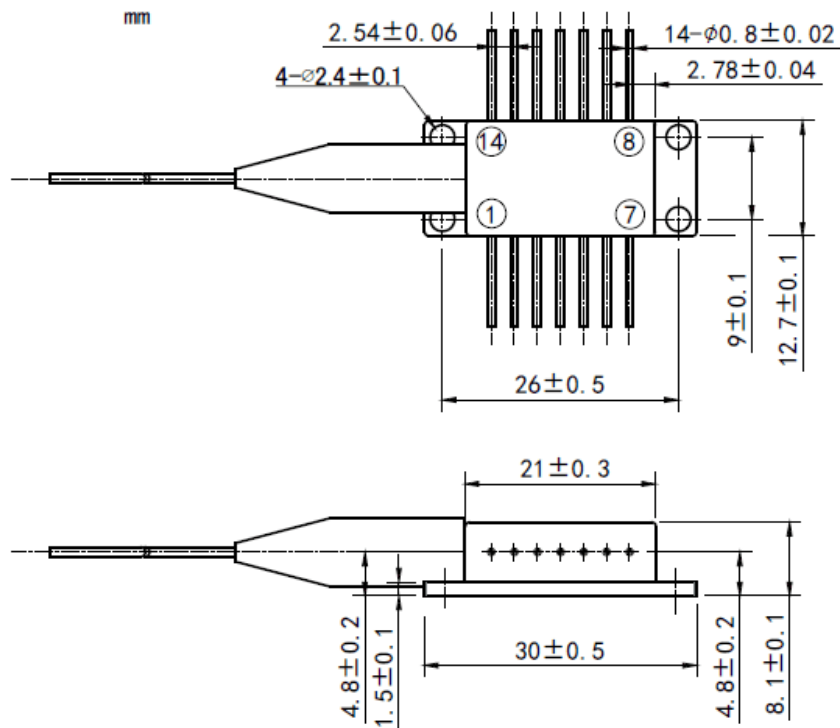
WSLX-840-002-M-H14-T-PD

	Min	Type	Max
Center Wavelength@25°C	840nm±20nm		
Spectral Width (FWHM)	----	3nm	----
Output Power	----	2W	----
Temperature Coefficient of Wavelength	0.3nm / °C		
Threshold Current (Typ.)	1.1A		
Operating Current (Typ.)	4.0A		
Operating Voltage	2.0V		
Recommended Case Temperature	25°C		
TEC Max. Current	2A		
TEC Max. Voltage	8V		
Thermistor	10K		
Fiber Core Diameter	105um		
Fiber Numerical Aperture	0.22		
Package	14-Pin-01		
Fiber Length	>80cm		
Connector Type	FC (SMA905 Optional)		

Wavespectrum Laser Group
www.wavespectrum-laser.com
sales@wavespectrum-laser.com



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.

