

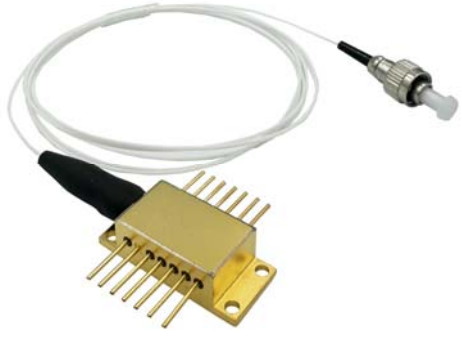
830nm~840nm 2W Fiber Coupled Laser Diode with 14-PIN Butterfly Package | Built-in PD

830nm | 14-Pin (BTF) Package |TEC Cooling | 105um or 200um Fiber Core| High Power LD

WSLX-830-002-M-H14-T-PD

Wavespectrum Laser Group

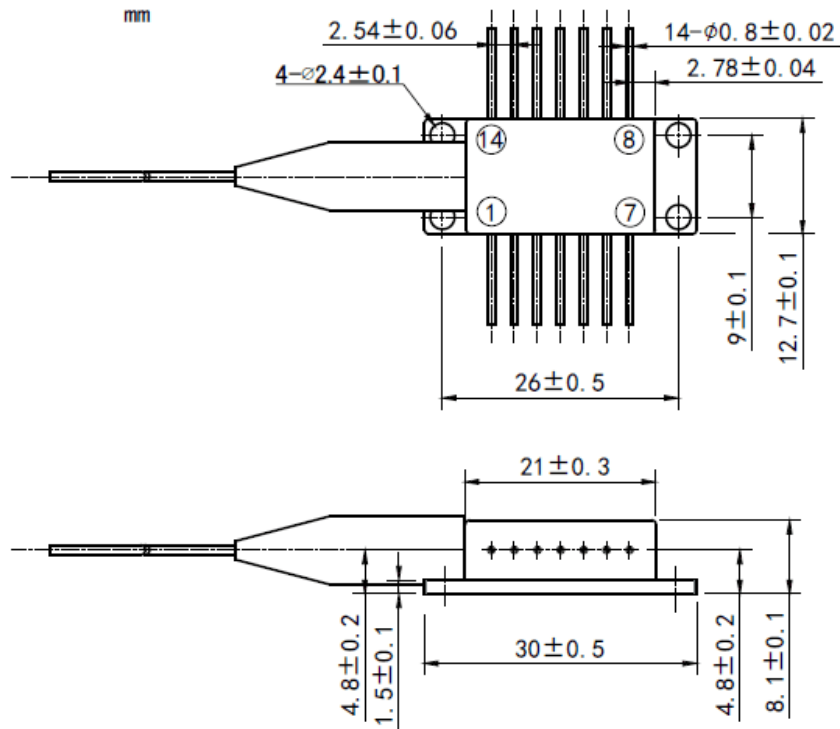
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PARAMETER	SYMBOL	VALUE		UNIT
Reverse Voltage	V_r	2.0		V
Operating Temperature	T_{op}	+10 ~ +30		°C
Storage Temperature	T_{stg}	-20 ~ +80		°C
Lead soldering temperature (10 sec.)	T_{is}	260		°C
Features: 830nm 14-Pin HHL Package - Built-in TEC Cooler - Built-in Photodiode Applications: - Medical Laser Treatment - Pumping - Others				
Specifications		WSLX-830-002-M-H14-T-PD		
		Min	Type	Max
Center Wavelength@25°C		830nm±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)		

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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.

