

1300nm~1310nm 1W Fiber Coupled Laser Diode Module | Built-in TEC Cooler | 14-Pin Butterfly Package

1300nm 1W|14-PIN (BTF) Package| 50um Fiber Core| High Power LD | Built-in PD

WSLX-1300-001-50M-H14-T-PD

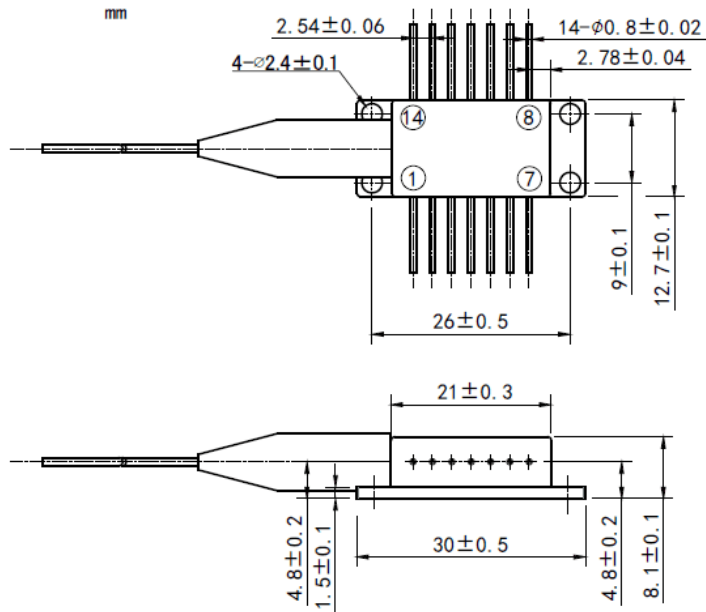
Wavespectrum Laser Group

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: 1300nm - Multimode Fiber 14-Pin Package - Built-in TEC Cooler - Built-in Photodiode				
Applications: - Medical Laser Treatment - Others				
Specifications		WSLX-1300-001-50M-H14-T-PD		
		Min.	Type	Max.
Center Wavelength@25°C		1300nm±50nm		
Spectral Width (FWHM)		-----	10nm	-----
Output Power		-----	1W	-----
Temperature Coefficient of Wavelength		-----	0.7nm / °C	-----
Threshold Current (Typ.)		-----	0.5A	-----
Operating Current (Typ.)		-----	4.0A	-----
Operating Voltage		-----	1.5V	-----
Recommended Case Temperature		25°C		
TEC Max. Current		2A		
TEC Max. Voltage		8V		
Thermistor		10K		
Fiber Core Diameter		50um		
Fiber Numerical Aperture		0.22		
Fiber Length		>80cm		
Package Style		14-Pin-01		
Connector Type		SMA905 / ST / FC		



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.

