

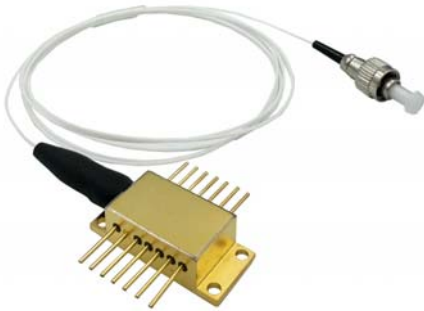
1310nm~1320nm 1W Fiber Coupled Laser Diode Module | Built-in TEC Cooler | 14-Pin Butterfly Package

1310nm 1W|14-PIN (BTF) Package| 105um 200um 400um Fiber Core| High Power LD | Built-in PD

WSLX-1310-001-M-H14-T-PD

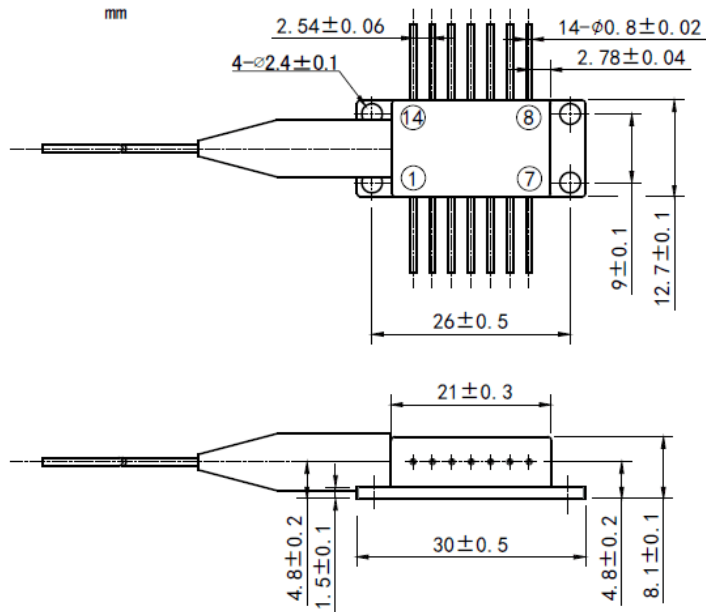
Wavespectrum Laser Group

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: 🔦 1310nm 🔦 Multimode Fiber 🔦 14-Pin Package 🔦 Built-in TEC Cooler 🔦 Built-in Photodiode					
Applications: 🔦 Medical Laser Treatment 🔦 Others					
Specifications		WSLX-1310-001-M-H14-T-PD			
		Min.	Type	Max.	
Center Wavelength@25°C		1310nm±40nm			
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		105um			
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.

