

780nm~785nm 1.5W Fiber Coupled Diode Laser Module with TEC cooler | 14-Pin Butterfly Package

785nm | 14-Pin (BTF) Package| 50um Fiber Core| High Power LD |Built-in Photodiodes

WSLX-785-1500m-50M-H14-T-PD

Wavespectrum Laser Group.

en.wavespectrum-laser.com.cn

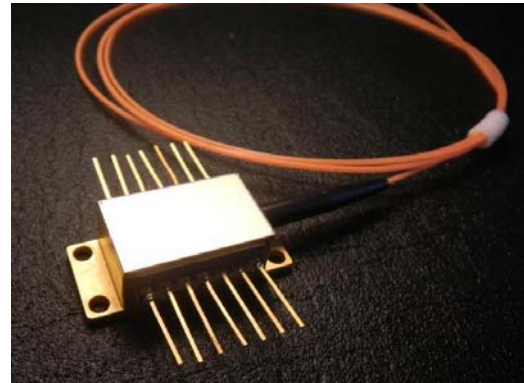
PARAMETER	SYMBOL	VALUE	UNIT
Reverse Voltage	V_r	2.0	V
Operating Temperature	T_{op}	+10 ~ +30	°C
Storage Temperature	T_{stg}	-20 ~ +80	°C
Lead soldering temperature (10 sec.)	T_{is}	260	°C

Features:

- 785nm
- 14-Pin Package
- Built-in TEC Cooler
- Built-in Photodiode

Applications:

- Medical Laser Treatment
- Others



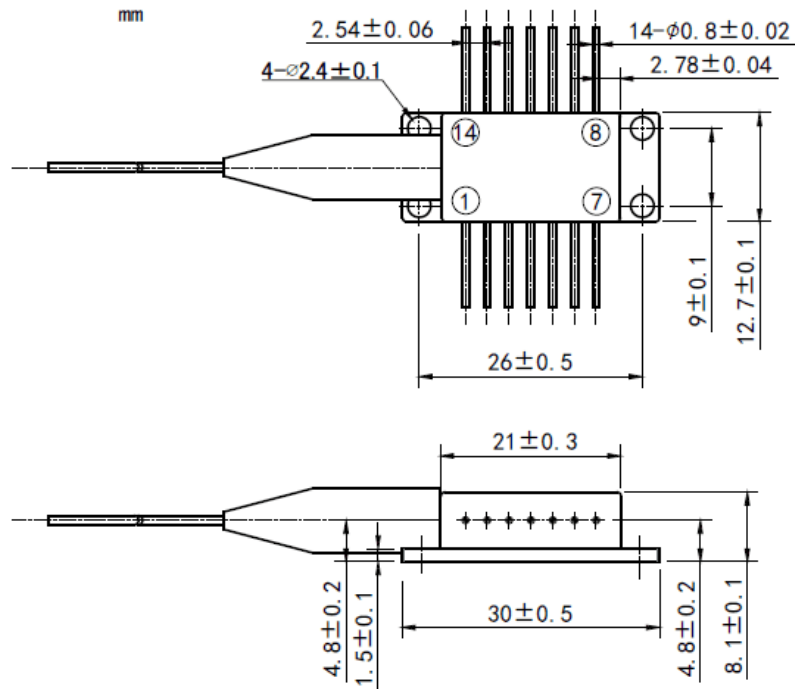
Specifications

WSLX-785-1500m-50M-H14-T-PD

	Min	Type	Max
Center Wavelength@25°C	785nm ± 10nm		
Spectral Width (FWHM)		3nm	
Output Power	1.0W	1.5W	-----
Temperature Coefficient of Wavelength	0.3nm / °C		
Threshold Current (Typ.)	0.3A		
Operating Current (Typ.)	2.2A		
Operating Voltage	2.2V		
Recommended Case Temperature	25°C		
TEC Max. Current	2A		
TEC Max. Voltage	8V		
Fiber Core Diameter	50um		
Fiber Numerical Aperture	0.22		
Package	14-Pin-01		
Fiber Length	>80cm		
Photodiode	Built-in		
Connector Type	FC(SMA905 Optional)		



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.

