

445nm 800mW~1W 14-Pin Butterfly Package Fiber Coupled Diode Laser With TEC | Blue Laser Diode

450nm 1W| 14-Pin BTF Package | High Power Laser |Built-in TEC Cooling | Built-in PD

WSLX-445-001-M-H14-T-PD

Wavespectrum Laser Group

www.wavespectrum-laser.com

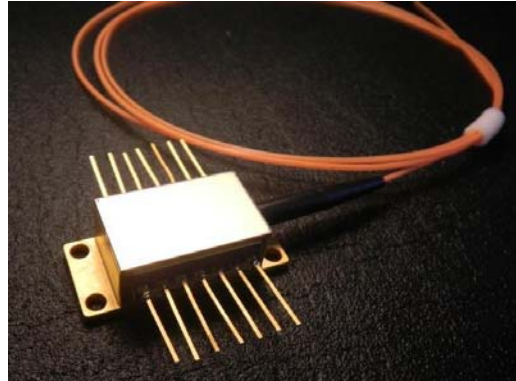
PARAMETER	SYMBOL	VALUE	UNIT
Reverse Voltage	V_r	2.0	V
Operating Temperature	T_{op}	+10 ~ +30	°C
Storage Temperature	T_{stg}	-40 ~ +85	°C
Lead soldering temperature (10 sec.)	T_{is}	260	°C

Features:

- 450nm
- 1W Output Power
- Built-in TEC Cooling
- Built-in Photodiode
- High Stability

Applications:

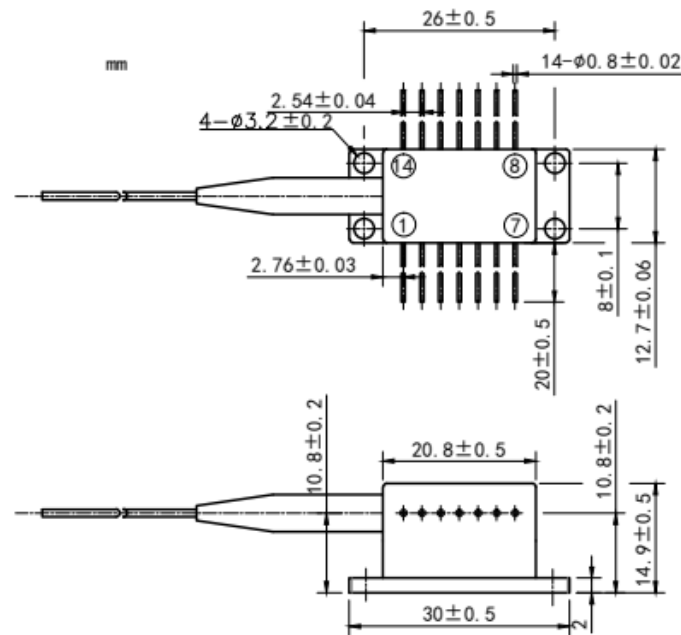
- Medical Laser Treatment
- Others



Specifications	WSLX-445-001-M-H14-T-PD		
	Min.	Type	Max.
Center Wavelength@25°C	440nm	450nm	460nm
Spectral Width (FWHM)	----	2nm	----
Output Power	800mW	1W	----
Recommend Operating Temperature	25 °C		
Threshold Current (Typ.)	----	0.3A	----
Operating Current (Typ.)	----	1.2A	----
Operating Voltage	----	6.0V	----
TEC Max Current	2A		
TEC Max Voltage	8V		
Fiber Type	Multi-mode Fiber		
Fiber Core	105um (50um, 62.5um optional)		
Fiber Length	>80cm		
Connector Type	SMA905 / FC		
Package	14-Pin		



14-Pin 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.

