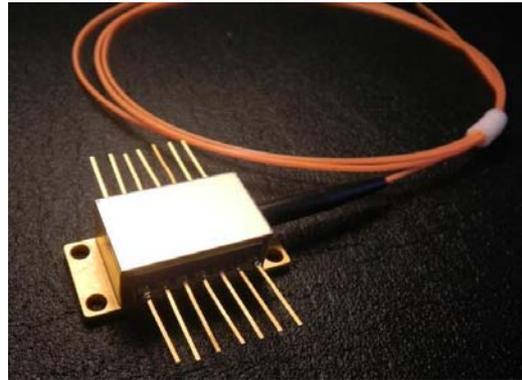


**655nm 1W Fiber Coupled Laser Diode with Butterfly (BTF) Package | Built-in TEC cooler | With Photodiode**  
**650nm~655nm 1W Pigtailed Diode Laser Module With 14-Pin Butterfly Package | 50um Multi-mode Fiber**  
**WSLX-655-001-50M-H14-T-PD      Wavespectrum Laser Group      www.wavespectrum-laser.com**

**655nm Pigtailed Diode Laser      1W/MM Fiber      en.wavespectrum-laser.com.cn**

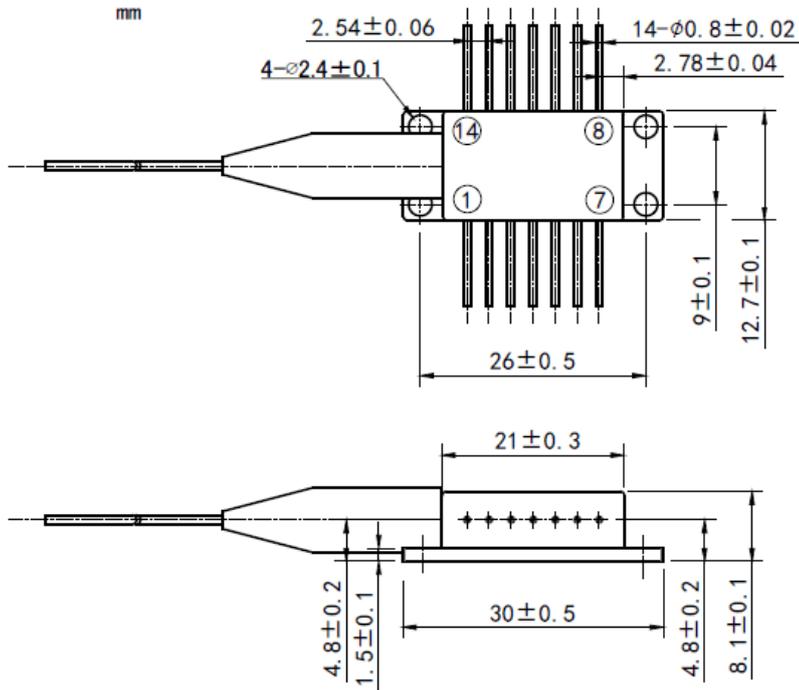
PARAMETER	SYMBOL	VALUE	UNIT
MAX Reverse Voltage	$V_r$	2.0	V
Operating Temperature	$T_{op}$	+10 ~ +30	°C
Storage Temperature	$T_{stg}$	-20 ~ +80	°C
Lead soldering temperature (10 sec.)	$T_{is}$	260	°C

- Features:**
- 655nm
  - 14-Pin Butterfly Package
  - Built-in TEC Cooler
  - Built-in Photodiode
- Applications:**
- Medical Laser Treatment
  - Sensor
  - Others



Specifications	WSLX-655-001-50M-H14-T-PD		
	Min	Type	Max
Center Wavelength@25°C	655nm±10nm		
Output Power	----	1W	----
Spectral Width (FWHM)	----	3nm	----
Recommended Operating Temperature	25°C		
Temperature Coefficient of Wavelength	0.2nm / °C		
Threshold Current (Typ.)	----	0.5A	1.2A
Operating Current (Typ.)	----	1.8A	2.0A
Operating Voltage	----	2.2V	2.6V
TEC Max Current	2A		
TEC Max Voltage	8V		
Thermistor	10K		
Fiber Core Diameter	50um		
Fiber Numerical Aperture	0.22		
Fiber Connector	FC/SMA905		
Fiber Length	>80cm		
Package Style	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.

