

685nm 700mW 50um Fiber Coupled Laser Diode with Butterfly (BTF) Package | Built-in TEC cooler | With PD
680nm~685nm 700mW Pigtailed Diode Laser Module With 14-Pin Butterfly Package | Infrared LD Module
WSLX-685-700m-50M-H14-T-PD Wavespectrum Laser Group www.wavespectrum-laser.com

685nm Pigtailed Diode Laser 0.7W/MM Fiber en.wavespectrum-laser.com.cn

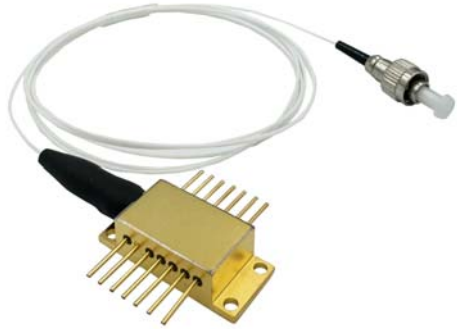
PARAMETER	SYMBOL	VALUE	UNIT
MAX Reverse Voltage	V_r	2.0	V
Operating Temperature	T_{op}	+10 ~ +30	°C
Storage Temperature	T_{stg}	-20 ~ +80	°C
Lead soldering temperature (10 sec.)	T_{is}	260	°C

Features:

- 685nm
- 14-Pin Butterfly Package
- Built-in TEC Cooler
- Built-in Photodiode

Applications:

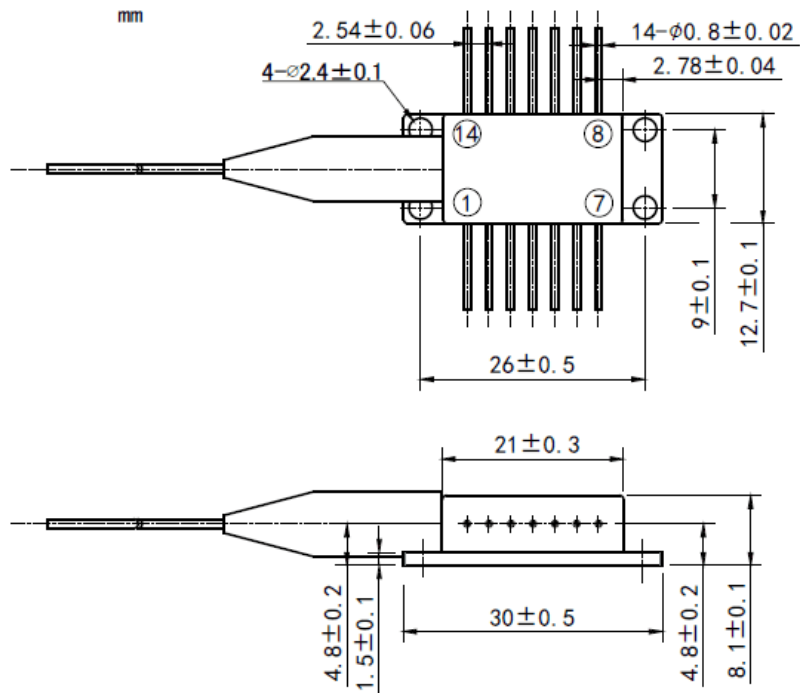
- Medical Laser Treatment
- Sensor
- Others



Specifications	WSLX-685-700m-50M-H14-T-PD		
	Min	Type	Max
Center Wavelength@25°C	685nm±10nm		
Output Power	----	700mW	----
Spectral Width (FWHM)	----	2nm	----
Recommended Operating Temperature	25°C		
Temperature Coefficient of Wavelength	0.2nm / °C		
Threshold Current (Typ.)	0.4A		
Operating Current (Typ.)	1.1A		
Operating Voltage	2.4V		
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-01		



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.

