



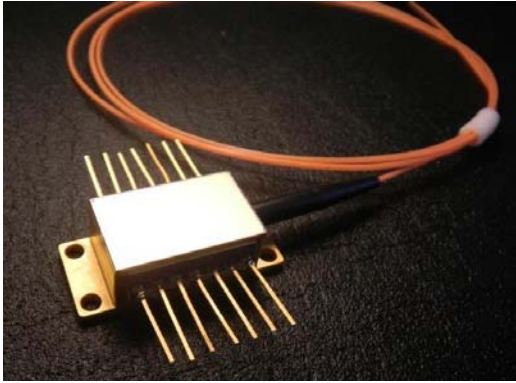
650nm 500mW Fiber Coupled Laser Diode with Butterfly (BTF) Package | Built-in TEC cooler | With Photodiode
650nm~660nm 500mW Pigtailed Diode Laser Module With 14-Pin Butterfly Package | Red LD Module
WSLX-650-500m-H-T-PD Wavespectrum Laser Group www.wavespectrum-laser.com

650nm Pigtailed Diode Laser 500mW/MM Fiber en.wavespectrum-laser.com.cn

PARAMETER	SYMBOL	VALUE	UNIT
Reverse Voltage	V_r	2.0	V
Operating Temperature	T_{op}	+10~+20	°C
Storage Temperature	T_{stg}	-20~+80	°C
Lead soldering temperature (5 sec.)	T_{is}	250	°C

Features:

- 650nm
- 14-Pin Butterfly Package
- Built-in TEC Cooler
- Built-in Photodiode



Applications:

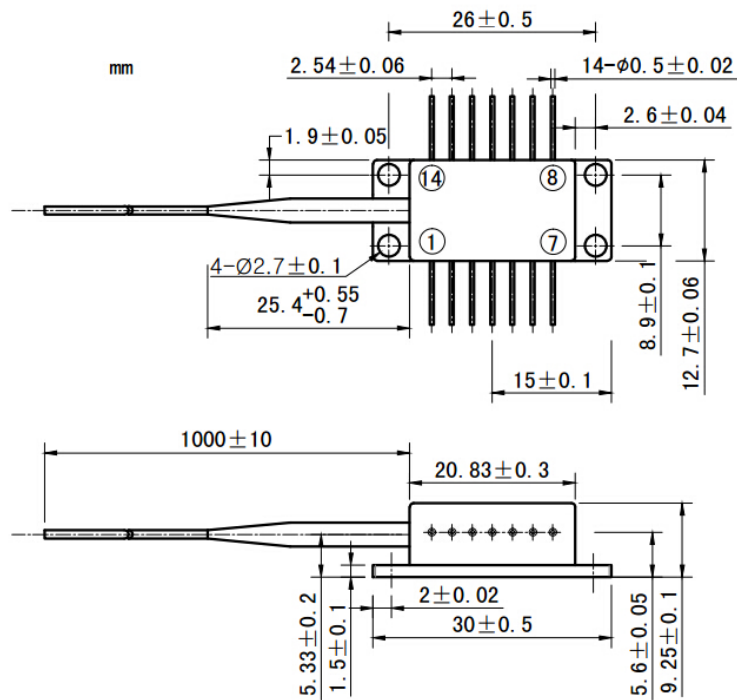
- Medical Laser Treatment
- Sensor
- Others

Specifications WSLX-650-500m-H-T-PD

	Min	Type	Max
Center Wavelength@25°C	±3nm	658nm	±10nm
Output Power		500mW	
Spectral Width (FWHM)		2nm	
Recommend Operating Temperature		18°C	
Temperature Coefficient of Wavelength		0.28nm / °C	
Threshold Current (Typ.)		0.5A	
Operating Current (Typ.)		1.2A	
Operating Voltage		2.6V	
TEC Max Current		1.8A	
TEC Max Voltage		2.5V	
Thermistor		10K	
Fiber Core		200um	
N.A.		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	NC	13	NC
3	NC	12	NC
4	LD(+)	11	LD(-)
5	NC	10	Thermistor
6	PD(+)	9	Thermistor
7	PD(-)	8	NC

Electrically shorten LD module and store in non-extreme conditions.

Suggest using the constant current power supply.

