

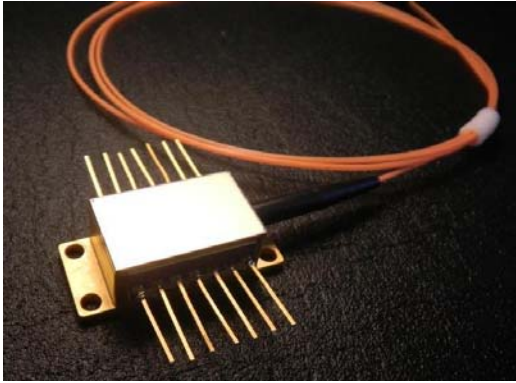
520nm 10mW Single Mode Butterfly (BTF) Package Pigtailed Laser Diode with SMF | Built-in TEC cooler
 510nm~520nm 10mW Single Mode Fiber Coupled LD with 14-Pin package | Green Diode Laser Module
 WSLX-520-010m-4-T Wavespectrum Laser Group www.wavespectrum-laser.com

520nm Pigtailed Diode Laser 10mW/SM Fiber en.wavespectrum-laser.com.cn

PARAMETER	SYMBOL	VALUE	UNIT
Reverse Voltage	V_r	2.0	V
Operating Temperature	T_{op}	-10~+60	°C
Storage Temperature	T_{stg}	-40~+80	°C
Lead soldering temperature (5 sec.)	T_{is}	250	°C

Features:

- 520nm
- With SM Fiber
- 14-Pin Package
- Built-in TEC Cooler



Applications:

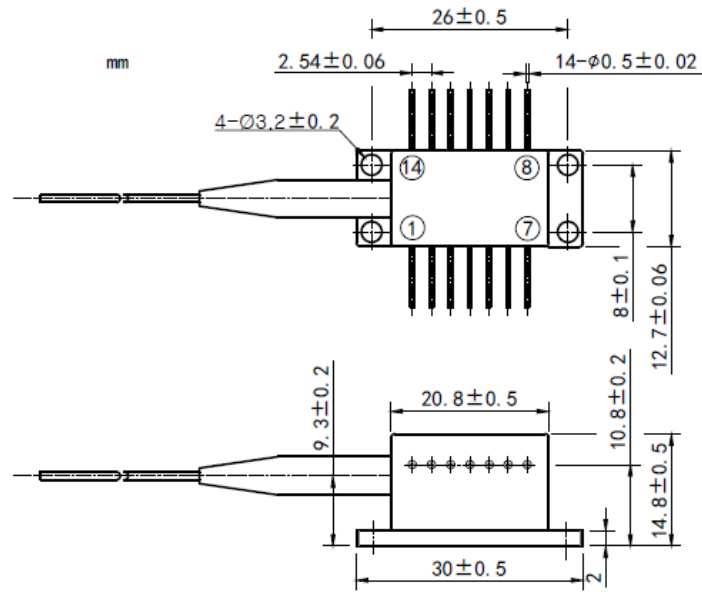
- Medical laser treatment
- Sensor
- Others

Specifications **WSLX-520-010m-4-T**

	Min	Type	Max
Center Wavelength@25°C	510nm	520nm	530nm
Recommend Operating Temperature	25°C		
Output Power	----	10mW	----
Fiber Type	Single Mode Fiber		
Fiber Core	3um		
Threshold Current (Typ.)	----	55mA	80mA
Operating Current (Typ.)	----	160mA	180mA
Operating Voltage	----	7.5V	8.0V
TEC Max Current	1.8A		
TEC Max Voltage	2.5V		
Thermistor	10K		
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	NC	12	NC
4	NC	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.

