



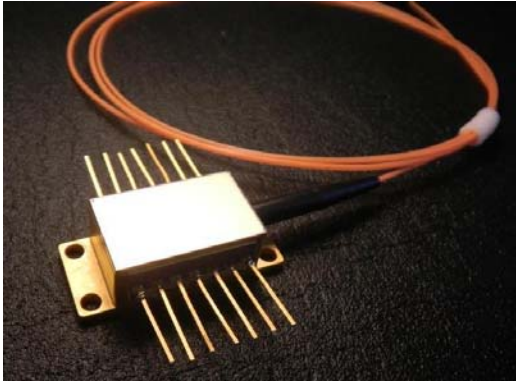
670nm 5mW SM Butterfly (BTF) Package Pigtailed Laser Diode with SMF | Built-in TEC cooler  
670nm Single Mode Fiber Coupled LD with Photodiode | Red Diode Laser Module | Built-in PD  
WSLX-670-005m-4-T-PD Wavespectrum Laser Group www.wavespectrum-laser.com

670nm Pigtailed Diode Laser	5mW/SM Fiber	en.wavespectrum-laser.com.cn
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PARAMETER	SYMBOL	VALUE	UNIT
Reverse Voltage	$V_r$	2.0	V
Operating Temperature	$T_{op}$	-10~+60	°C
Storage Temperature	$T_{stg}$	-40~+85	°C
Lead soldering temperature (5 sec.)	$T_{is}$	250	°C

**Features:**

- 670nm
- With SM Fiber
- 14-Pin Package
- Built-in TEC Cooler



**Applications:**

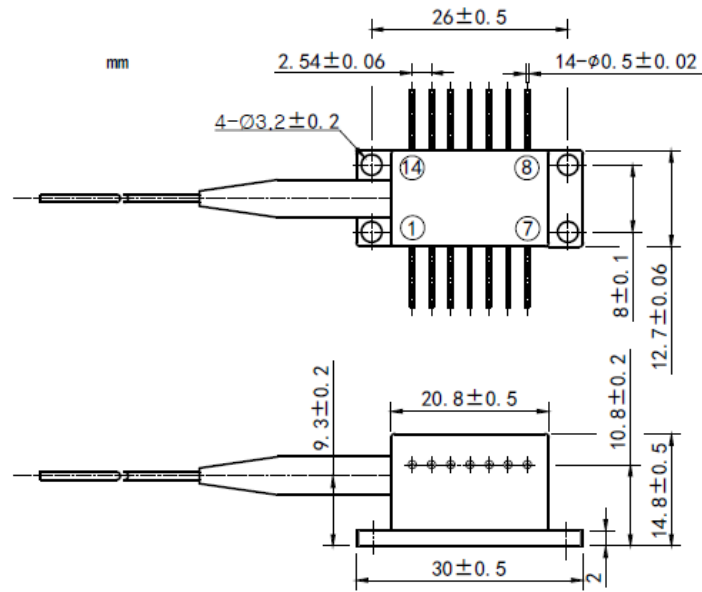
- Medical laser treatment
- Sensor
- Others

<b>Specifications</b>	<b>WSLX-670-005m-4-T-PD</b>		
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	Min	Type	Max
Center Wavelength@25°C	660nm	670nm	680nm
Recommend Operating Temperature	25°C		
Output Power	----	5mW	----
Fiber Type	Single Mode Fiber		
Fiber Core	4um		
Threshold Current (Typ.)	----	20mA	35mA
Operating Current (Typ.)	----	35mA	45mA
Operating Voltage	----	2.3V	3.0V
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	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.

