

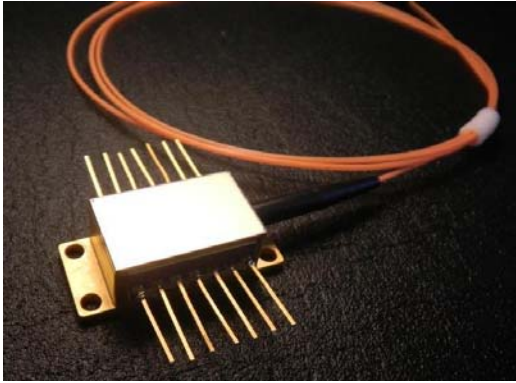
785nm 30mW Single Mode Butterfly (BTF) Package Pigtailed Laser Diode with PD | Built-in TEC cooler

780nm~785nm SM Fiber Coupled LD with 14-Pin package | Infrared Diode Laser Module

WSLX-785-030m-4-T-PD

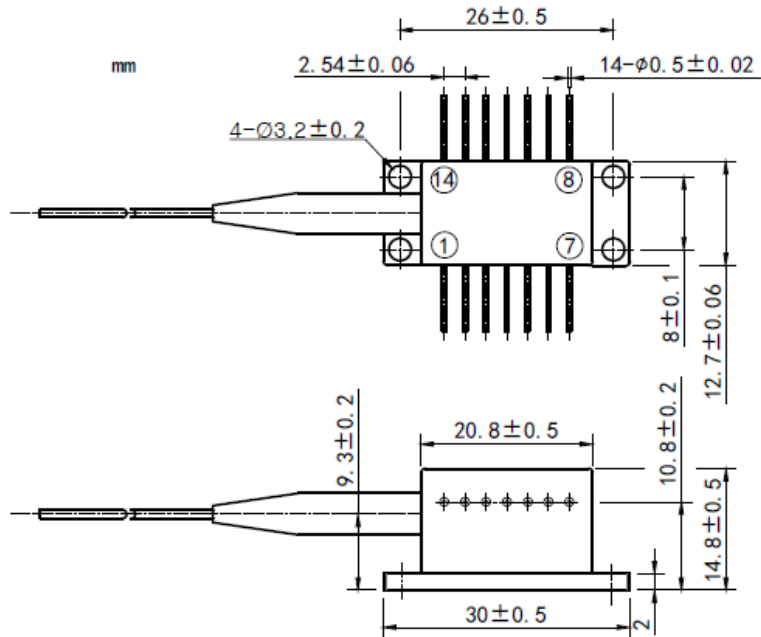
Wavespectrum Laser Group

www.wavespectrum-laser.com

785nm Pigtailed Diode Laser		30mW/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	
<b>Features:</b> <ul style="list-style-type: none"> <li>● 785nm</li> <li>● With SM Fiber</li> <li>● 14-Pin Package</li> <li>● Built-in TEC Cooler</li> </ul>				
<b>Applications:</b> <ul style="list-style-type: none"> <li>● Medical laser treatment</li> <li>● Sensor</li> <li>● Others</li> </ul>				
<b>Specifications</b>	<b>WSLX-785-030m-4-T-PD</b>			
	Min	Type	Max	
Center Wavelength@25°C	$\pm 3\text{nm}$	785nm	$\pm 10\text{nm}$	
Recommend Operating Temperature	25°C			
Output Power	----	30mW	----	
Fiber Type	Single Mode Fiber			
Fiber Core	5um			
Threshold Current (Typ.)	----	35mA	60mA	
Operating Current (Typ.)	----	140mA	160mA	
Operating Voltage	----	2.0V	2.4V	
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.

