

445nm 10mW~15mW SM Butterfly (BTF) Package Pigtailed Laser Diode with SMF | Built-in TEC cooler

445nm~450nm 15mW Single Mode Fiber Coupled LD with 14-Pin package | Blue Laser Module

WSLX-445-015m-4-T

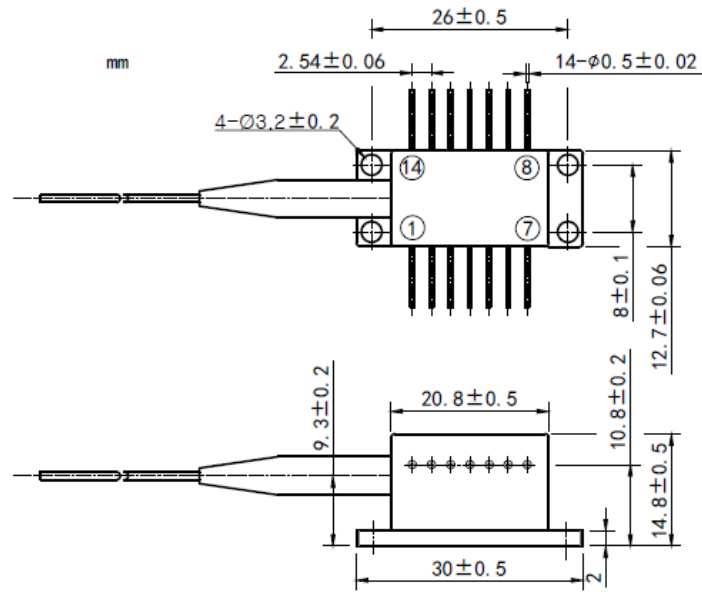
Wavespectrum Laser Group

www.wavespectrum-laser.com

445nm Pigtailed Diode Laser		15mW/SM Fiber		en.wavespectrum-laser.com.cn	
PARAMETER	SYMBOL	VALUE	UNIT		
Reverse Voltage	$V_r$	2.0	V		
Operating Temperature	$T_{op}$	+10~+70	°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>● 445nm</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-445-015m-4-T</b>				
	Min	Type	Max		
Center Wavelength@25°C	440nm	445nm	460nm		
Recommend Operating Temperature	25°C				
Output Power	10mW	15mW	----		
Fiber Type	Single Mode Fiber				
Fiber Core	3um				
Threshold Current (Typ.)	----	30mA	50mA		
Operating Current (Typ.)	----	140mA	160mA		
Operating Voltage	----	5.8V	6.5V		
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.

