

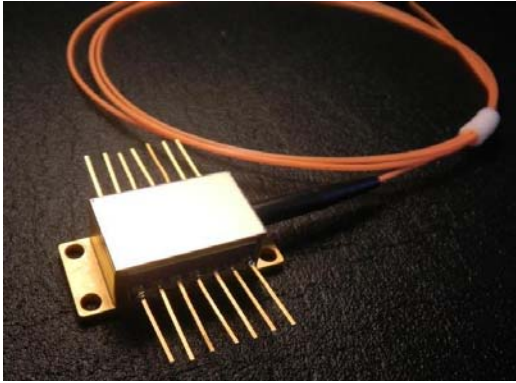
450nm 20mW SM Butterfly (BTF) Package Pigtailed Laser Diode with SMF | Built-in TEC cooler

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

WSLX-445-020m-4-T

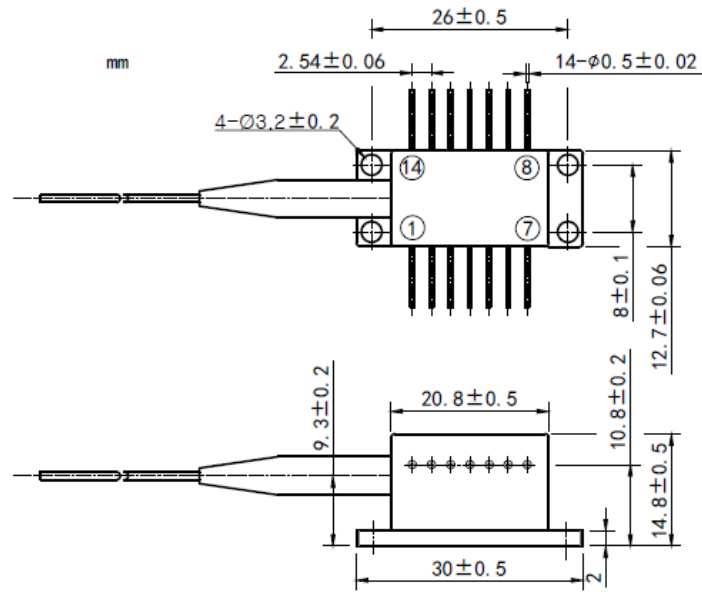
Wavespectrum Laser Group

www.wavespectrum-laser.com

445nm Pigtailed Diode Laser		20mW/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		
Features: <ul style="list-style-type: none"> ● 445nm ● With SM Fiber ● 14-Pin Package ● Built-in TEC Cooler 					
Applications: <ul style="list-style-type: none"> ● Medical laser treatment ● Sensor ● Others 					
Specifications	WSLX-445-020m-4-T				
	Min	Type	Max		
Center Wavelength@25°C	440nm	445nm	460nm		
Recommend Operating Temperature	25°C				
Output Power	----	20mW	----		
Fiber Type	Single Mode Fiber				
Fiber Core	3um				
Threshold Current (Typ.)	----	35mA	60mA		
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.

