

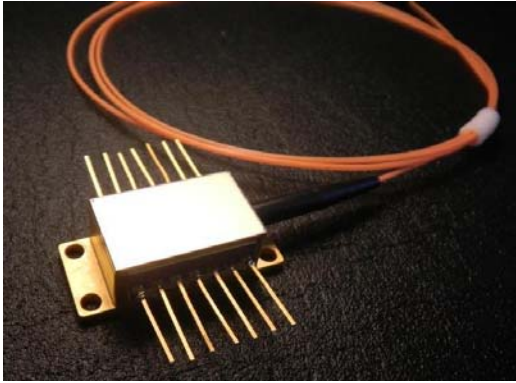
445nm 10mW SM Butterfly (BTF) Package Pigtailed Laser Diode with SMF | Built-in TEC cooler

445nm~450nm 10mW Single Mode Fiber Coupled LD with 14-Pin package | Blue Laser Module

WSLX-445-010m-4-H14-T

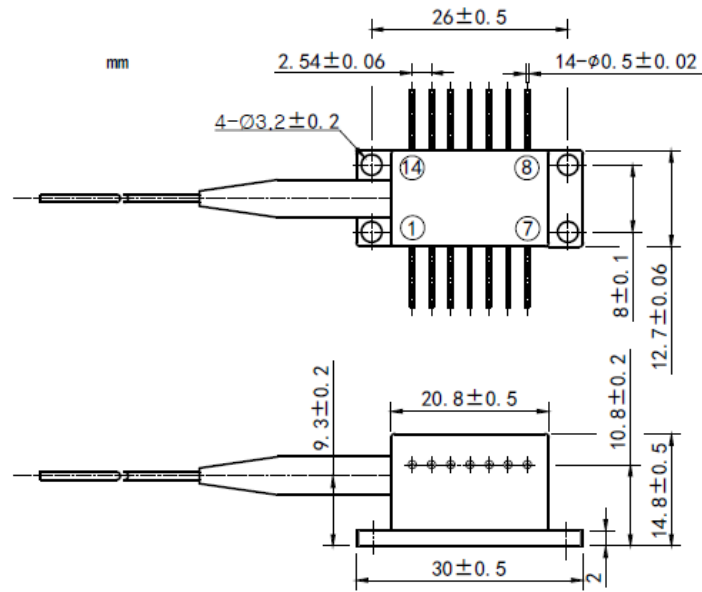
Wavespectrum Laser Group

www.wavespectrum-laser.com

445nm 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~+70		°C	
Storage Temperature	T_{stg}	-40~+85		°C	
Lead soldering temperature (10 sec.)	T_{is}	260		°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-445-010m-4-H14-T			
		Min	Type	Max	
Center Wavelength@25°C		440nm	445nm	460nm	
Recommended Operating Temperature		25°C			
Output Power		----	10mW	----	
Fiber Type		Single Mode Fiber			
Fiber Core		3um			
Threshold Current (Typ.)		----	30mA	55mA	
Operating Current (Typ.)		----	110mA	130mA	
Operating Voltage		----	6.0V	7.0V	
TEC Max Current		1.0A			
TEC Max Voltage		3.0V			
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.

