

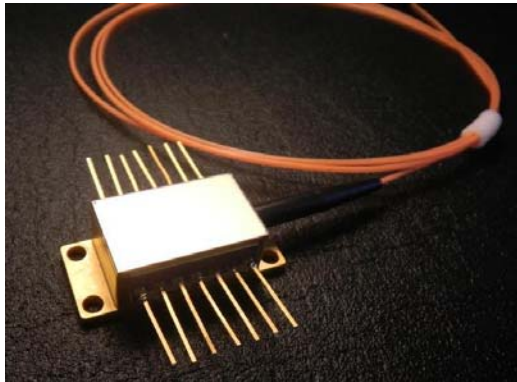
445nm 15mw SM Butterfly (BTF) Package Pigtailed Laser Diode with SMF | Built-in TEC cooler

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

WSLX-445-015m-4-T

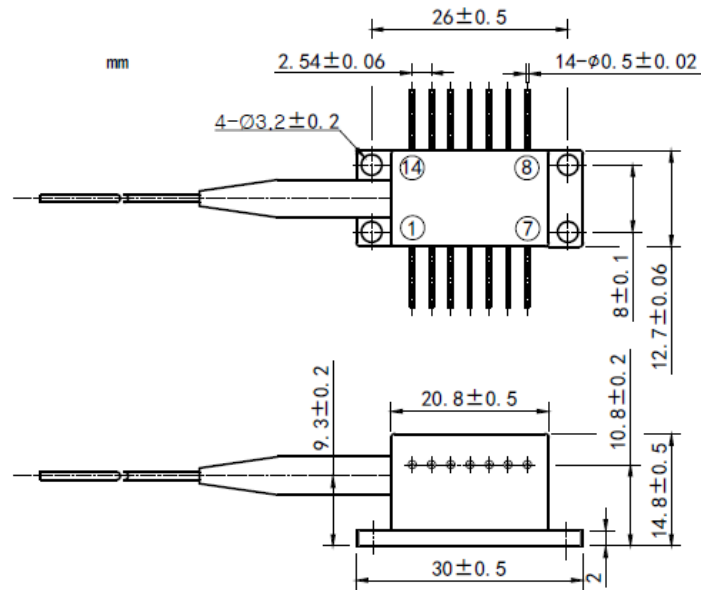
Wavespectrum Laser Group

www.wavespectrum-laser.com

445nm Pigtailed Diode Laser		15mW/SM Fiber		Wavespectrum Laser Group	
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: 445nm With SM Fiber 14-Pin Package Built-in TEC Cooler					
Applications: Medical laser treatment Sensor Others					
Specifications		WSLX-445-015m-4-T			
		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.)		----	30 mA	50 mA	
Operating Current (Typ.)		----	140 mA	160 mA	
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.

