

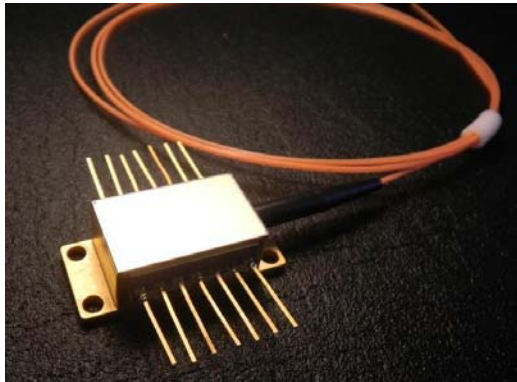
520nm 5mw Single Mode Butterfly (BTF) Package Pigtailed Laser Diode with SMF | Built-in TEC cooler

515nm~520nm Single Mode Fiber Coupled LD with 14-Pin package | Green Laser Module

WSLX-520-005m-4-T

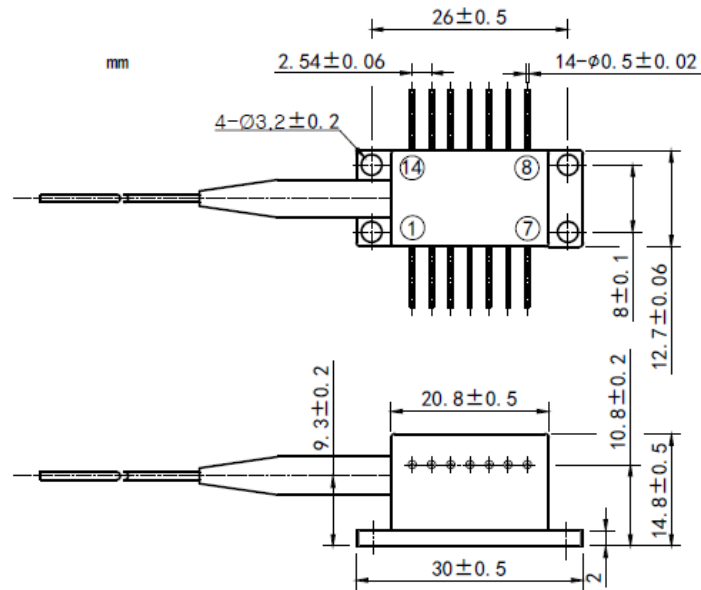
Wavespectrum Laser Group

www.wavespectrum-laser.com

520nm Pigtailed Diode Laser		5mW/SM Fiber	Wavespectrum Laser Group	
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
Features: 520nm - With SM Fiber 14-Pin Package - Built-in TEC Cooler				
Applications: - Medical laser treatment - Sensor - Others				
Specifications	WSLX-520-005m-4-T			
	Min	Type	Max	
Center Wavelength@25°C	510nm	520nm	530nm	
Recommend Operating Temperature	25°C			
Output Power	----	5mw	----	
Fiber Type	Single Mode Fiber			
Fiber Core	3um			
Threshold Current (Typ.)	----	50 mA	80 mA	
Operating Current (Typ.)	----	160 mA	180 mA	
Operating Voltage	----	7.5V	8.0V	
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.

