

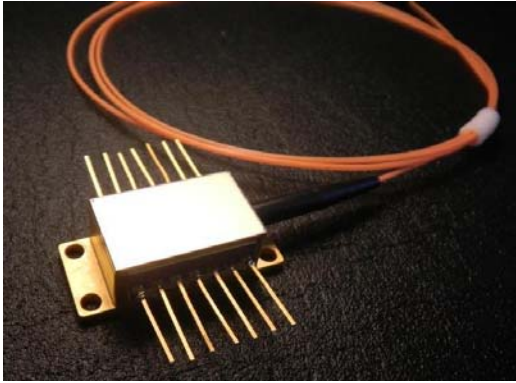
650nm 40mW~50mW SM Butterfly (BTF) Package Pigtailed Laser Diode with SMF | Built-in TEC cooler

650nm~660nm 50mW Single Mode Fiber Coupled LD with 14-Pin package | Red Diode Laser Module

WSLX-650-050m-4-T

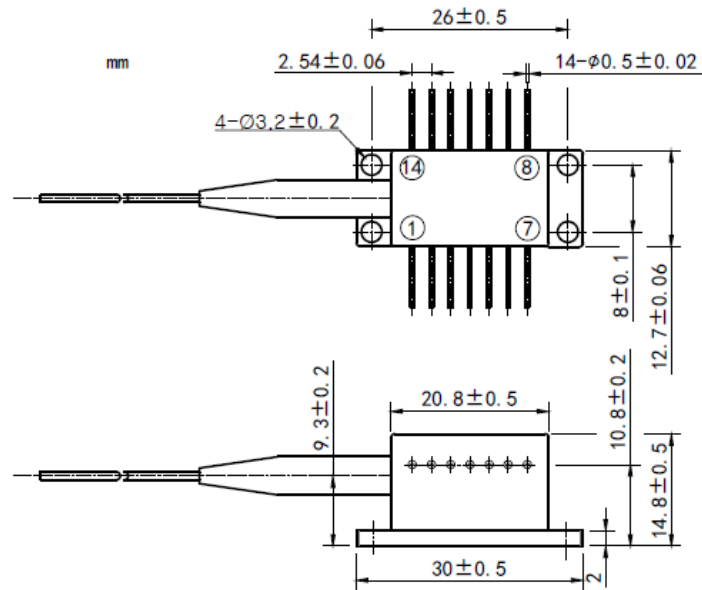
Wavespectrum Laser Group

www.wavespectrum-laser.com

650nm Pigtailed Diode Laser		50mW/SM Fiber		en.wavespectrum-laser.com.cn	
PARAMETER	SYMBOL	VALUE	UNIT		
Reverse Voltage	V_r	2.0	V		
Operating Temperature	T_{op}	-10~+50	°C		
Storage Temperature	T_{stg}	-40~+85	°C		
Lead soldering temperature (5 sec.)	T_{is}	250	°C		
Features: <ul style="list-style-type: none"> 650nm With SM Fiber 14-Pin Package Built-in TEC Cooler 					
Applications: <ul style="list-style-type: none"> Medical laser treatment Sensor Others 					
Specifications		WSLX-650-050m-4-T			
	Min	Type	Max		
Center Wavelength@25°C	650nm	658nm	665nm		
Recommend Operating Temperature	25°C				
Output Power	40mW	50mW	----		
Fiber Type	Single Mode Fiber				
Fiber Core	4um				
Threshold Current (Typ.)	----	55mA	75mA		
Operating Current (Typ.)	----	250mA	280mA		
Operating Voltage	----	2.7V	3.0V		
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.

