

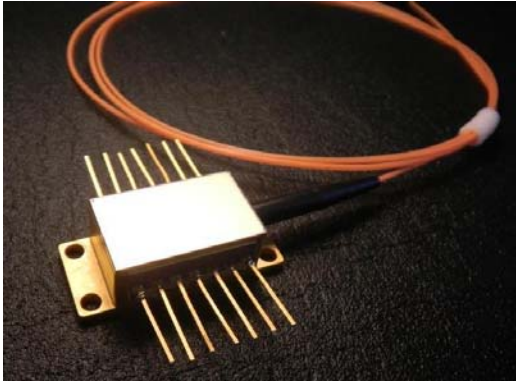
685nm~690nm 10mw SM Butterfly (BTF) Package Pigtailed Laser Diode with SMF | Built-in TEC cooler

685nm 10mw SM Fiber Coupled LD with 14-Pin package | Red Laser Module

WSLX-685-010m-4-T-PD

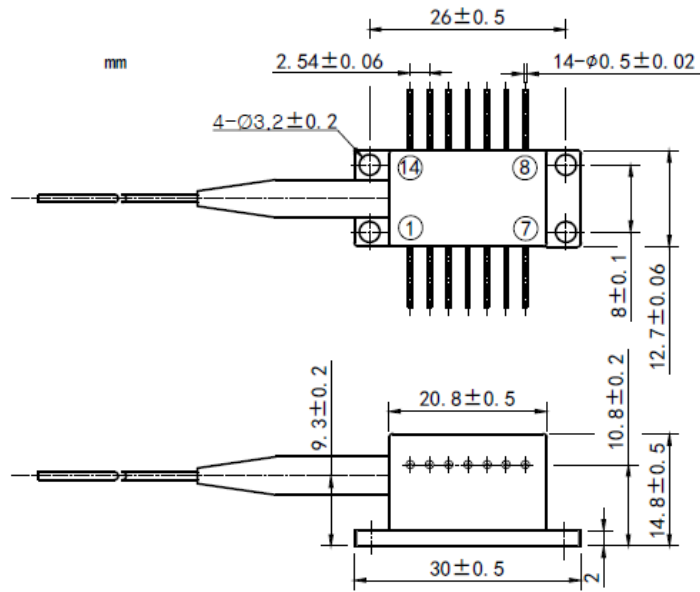
Wavespectrum Laser Group

www.wavespectrum-laser.com

685nm Pigtailed Diode Laser		10mW/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~+85	°C		
Lead soldering temperature (5 sec.)	T_{is}	250	°C		
Features: <ul style="list-style-type: none"> ● 685nm ● With SM Fiber ● 14-Pin Package ● Built-in TEC Cooler 					
Applications: <ul style="list-style-type: none"> ● Medical laser treatment ● Sensor ● Others 					
Specifications		WSLX-685-010m-4-T-PD			
	Min	Type	Max		
Center Wavelength@25°C	±5nm	685nm	±15nm		
Recommend Operating Temperature	25°C				
Output Power	----	10mw	----		
Fiber Type	Single Mode Fiber				
Fiber Core	4um				
Threshold Current (Typ.)	----	30mA	50mA		
Operating Current (Typ.)	----	100mA	120mA		
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	PD(+)	12	NC
4	PD(-)	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.

