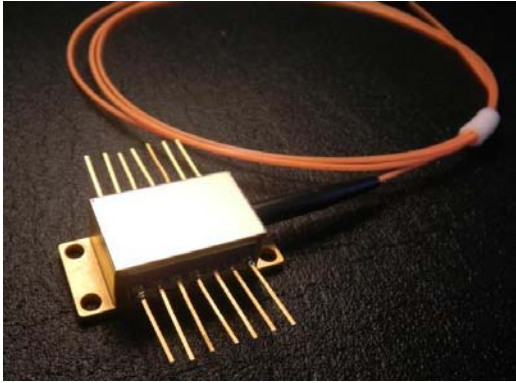
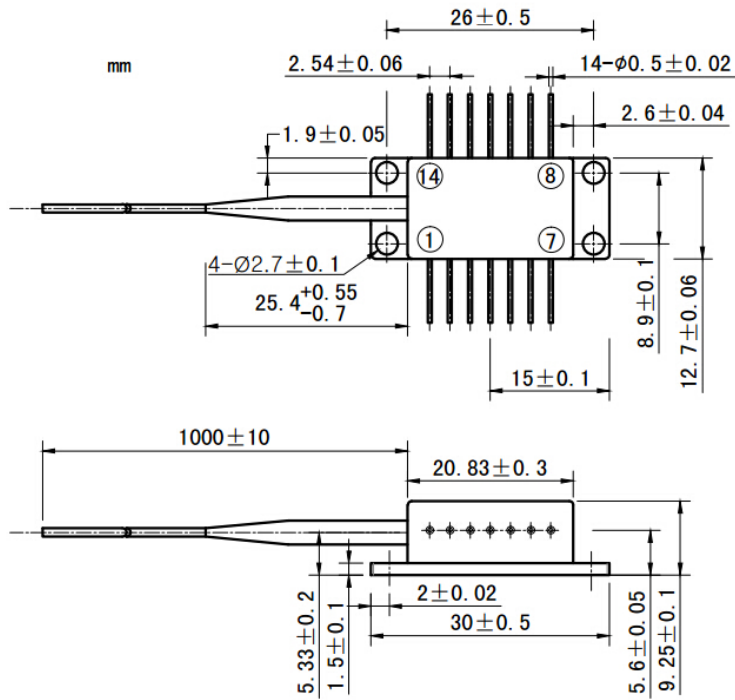


780nm 1W Fiber Coupled Laser Diode with Butterfly (BTF) Package | Built-in TEC cooler | With Photodiode
 780nm~785nm 1W Pigtailed Diode Laser Module With 14-Pin Butterfly Package | Infrared LD Module
 WSLX-780-001-H-T-PD Wavespectrum Laser Group www.wavespectrum-laser.com

780nm Pigtailed Diode Laser		1W/MM Fiber		en.wavespectrum-laser.com.cn	
PARAMETER	SYMBOL	VALUE	UNIT		
Reverse Voltage	V_r	2.0	V		
Operating Temperature	T_{op}	+10~+30	°C		
Storage Temperature	T_{stg}	-20~+80	°C		
Lead soldering temperature (5 sec.)	T_{is}	250	°C		
Features: <ul style="list-style-type: none"> ● 780nm ● 14-Pin Butterfly Package ● Built-in TEC Cooler ● Built-in Photodiode 					
Applications: <ul style="list-style-type: none"> ● Medical Laser Treatment ● Sensor ● Others 					
Specifications	WSLX-780-001-H-T-PD				
	Min	Type	Max		
Center Wavelength@25°C	±3nm	780nm	±10nm		
Output Power			1W		
Spectral Width (FWHM)			2nm		
Recommend Operating Temperature	25°C				
Temperature Coefficient of Wavelength	0.3nm / °C				
Threshold Current (Typ.)	0.6A				
Operating Current (Typ.)	2.2A				
Operating Voltage	1.9V				
TEC Max Current	1.8A				
TEC Max Voltage	2.5V				
Thermistor	10K				
Fiber Core	200um				
N.A.	0.22				
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.

