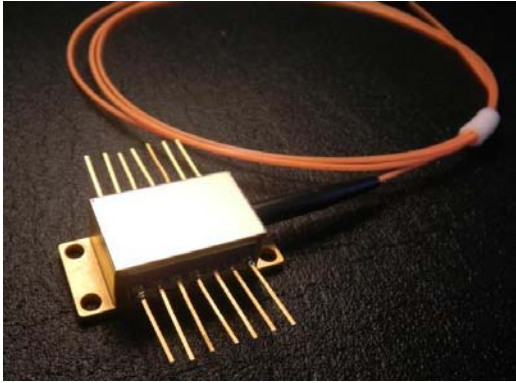
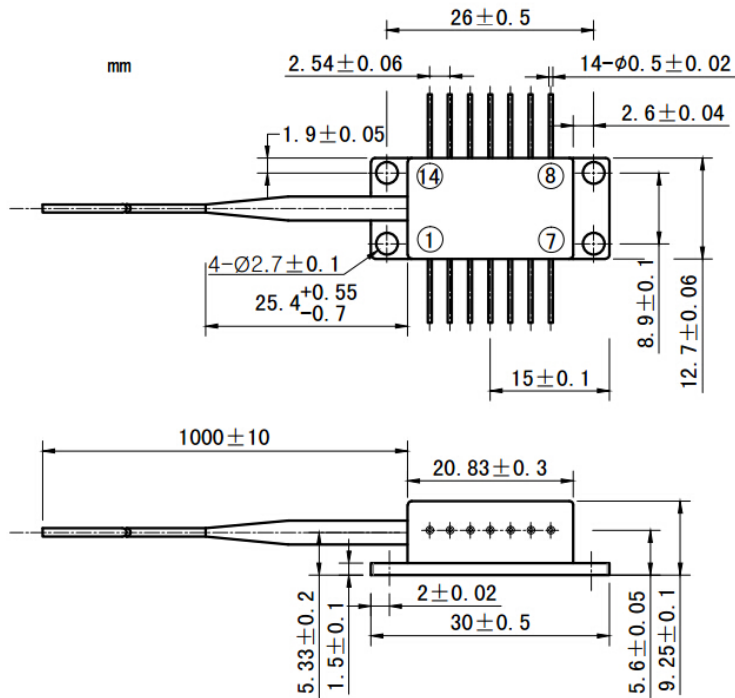


830nm 1W Fiber Coupled Laser Diode with Butterfly (BTF) Package | Built-in TEC cooler | With Photodiode
830nm 1W Pigtailed Diode Laser Module With 14-Pin Butterfly Package | Infrared LD Module
WSLX-830-001-H-T-PD **Wavespectrum Laser Group** **www.wavespectrum-laser.com**

830nm 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"> ● 830nm ● 14-Pin Butterfly Package ● Built-in TEC Cooler ● Built-in Photodiode 					
Applications: <ul style="list-style-type: none"> ● Medical Laser Treatment ● CTP Printing ● Others 					
Specifications	WSLX-830-001-H-T-PD				
	Min	Type	Max		
Center Wavelength@25°C	±3nm	830nm	±10nm		
Output Power		1W			
Spectral Width (FWHM)		2nm			
Recommend Operating Temperature		25°C			
Temperature Coefficient of Wavelength		0.3nm / °C			
Threshold Current (Typ.)		0.3A			
Operating Current (Typ.)		1.5A			
Operating Voltage		2.3V			
TEC Max Current		1.8A			
TEC Max Voltage		2.5V			
Thermistor		10K			
Fiber Core		50um			
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.

