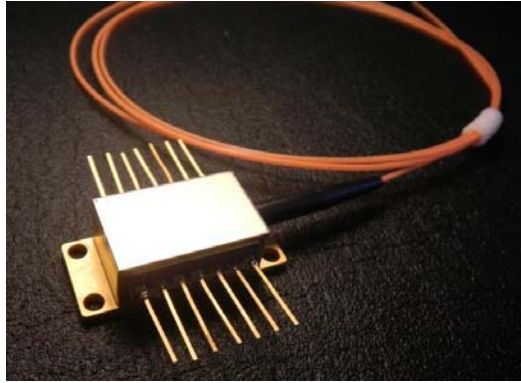
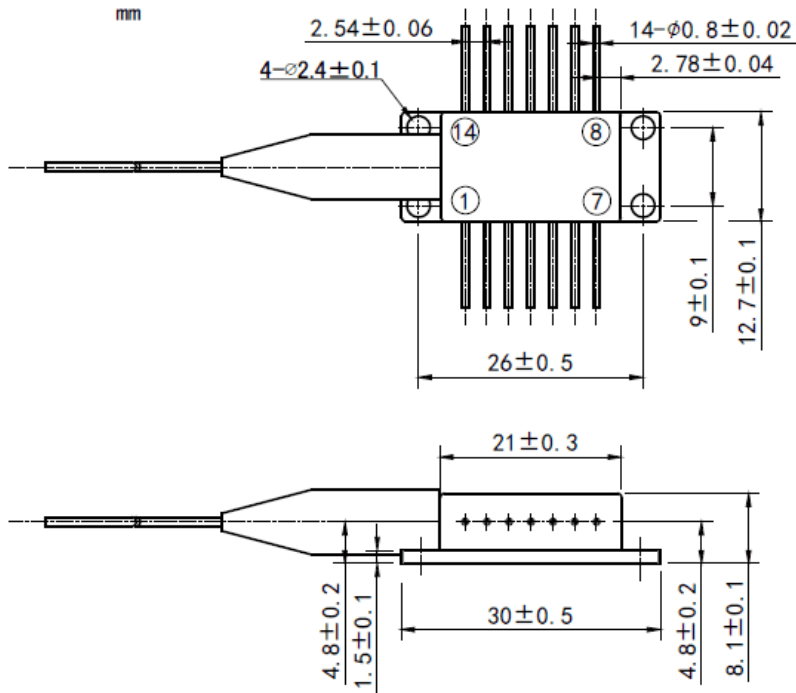


670nm 1W Fiber Coupled Laser Diode with Butterfly (BTF) Package | Built-in TEC cooler | With Photodiode
665nm~670nm 1W Pigtailed Diode Laser Module With 14-Pin Butterfly Package | Red LD Module
WSLX-670-001-M-H14-T-PD **Wavespectrum Laser Group** www.wavespectrum-laser.com

en.wavespectrum-laser.com.cn

670nm Pigtailed Diode Laser		1W/MM Fiber	
PARAMETER	SYMBOL	VALUE	UNIT
MAX Reverse Voltage	V_r	2.0	V
Operating Temperature	T_{op}	+10 ~ +30	°C
Storage Temperature	T_{stg}	-20 ~ +80	°C
Lead soldering temperature (10 sec.)	T_{is}	260	°C
Features: <ul style="list-style-type: none"> ● 670nm ● 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-670-001-M-H14-T-PD	
		Min	Type
Center Wavelength@25°C		670nm±10nm	
Output Power	----	1W	----
Spectral Width (FWHM)	----	3nm	----
Recommended Operating Temperature		25°C	
Temperature Coefficient of Wavelength		0.2nm / °C	
Threshold Current (Typ.)	----	0.5A	1.0A
Operating Current (Typ.)	----	1.6A	1.8A
Operating Voltage	----	2.2V	2.5V
TEC Max Current		2A	
TEC Max Voltage		8V	
Thermistor		10K	
Fiber Core Diameter		105um	
Fiber Numerical Aperture		0.22	
Fiber Connector		FC/SMA905	
Fiber Length		>80cm	
Package Style		14-Pin-01	



14-Pin-01 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.

