

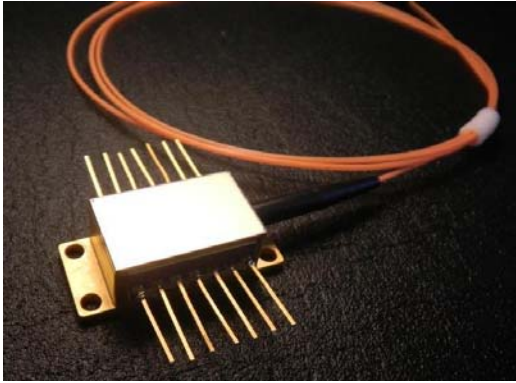
**830nm 600mW narrow line width Fiber Coupled Laser Diode with Butterfly (BTF) Package**

**830nm 600mW Pigtailed Diode Laser Module for Raman Spectroscopy |Spectrum Stabilized LD Module**

WSLX-830-600m-H-T-PD-N

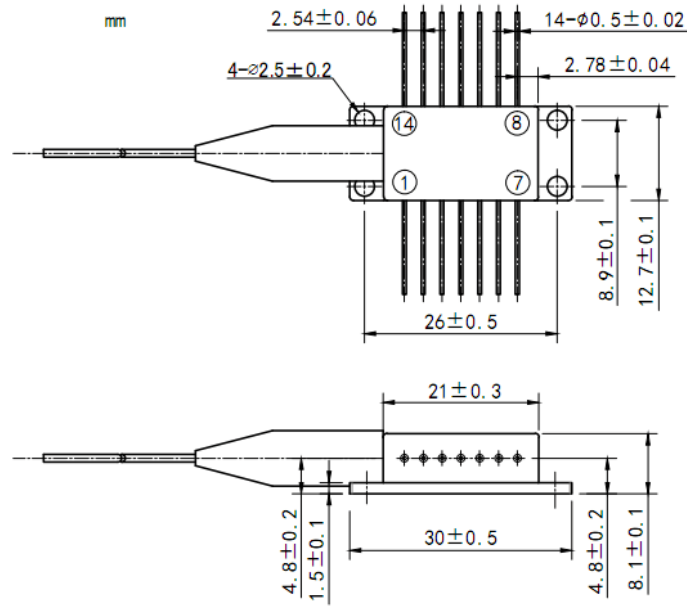
Wavespectrum Laser Group

www.wavespectrum-laser.com

830nm Pigtailed Diode Laser		600mW/ 105um		en.wavespectrum-laser.com.cn
PARAMETER	SYMBOL	VALUE	UNIT	
Reverse Voltage	$V_r$	2.0	V	
Operating Temperature	$T_{op}$	+15 ~ +30	°C	
Storage Temperature	$T_{stg}$	-20 ~ +70	°C	
Lead soldering temperature (5 sec.)	$T_{is}$	250	°C	
<b>Features:</b> <ul style="list-style-type: none"> <li>● 830nm±0.5nm</li> <li>● Spectrum Stabilized Laser</li> <li>● Narrow line-width</li> <li>● 14-Pin Butterfly Package</li> </ul>				
<b>Applications:</b> <ul style="list-style-type: none"> <li>● Raman Spectroscopy</li> <li>● Spectral analysis</li> <li>● Others</li> </ul>				
<b>Specifications</b>	<b>WSLX-830-600m-H-T-PD-N</b>			
	Min	Type	Max	
Center Wavelength@25°C	830nm±0.5nm			
Output Power	600mW			
Spectral Width (FWHM)	≤0.3nm			
Recommend Operating Temperature	25°C			
Temperature Coefficient of Wavelength	0.02nm / °C			
Threshold Current (Typ.)	0.4A			
Operating Current (Typ.)	1.3A			
Operating Voltage	2.0V			
TEC Max Current	2A			
TEC Max Voltage	8V			
Thermistor	10K			
Fiber Core	105um			
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.



Wavespectrum Laser Group  
[www.wavespectrum-laser.com](http://www.wavespectrum-laser.com)  
[sales@wavespectrum-laser.com](mailto:sales@wavespectrum-laser.com)

