

## 830nm 1W Fiber Coupled Laser Diode Module For CTP Application

830nm|2-pin Package| 50um 60um 105um Fiber | High Power LD| Long Lifetime | High Stability

WSLX-830-001-H

Wavespectrum Laser, Inc.

www.wavespectrum-laser.com

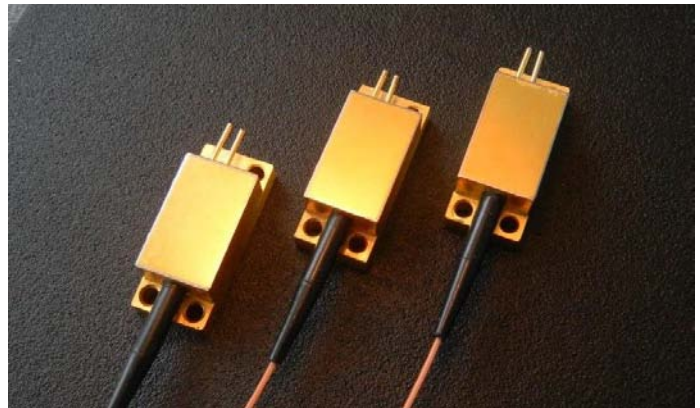
PARAMETER	SYMBOL	VALUE	UNIT
Reverse Voltage	$V_r$	2.0	V
Operating Temperature	$T_{op}$	-10~+30	°C
Storage Temperature	$T_{stg}$	-40 ~ +80	°C
Lead soldering temperature (10 sec.)	$T_{is}$	260	°C

### Features:

- 830 nm
- Multimode Fiber
- 2-pin Package
- Long Lifetime
- High Stability

### Applications:

- CTP
- Medical laser treatment
- Others



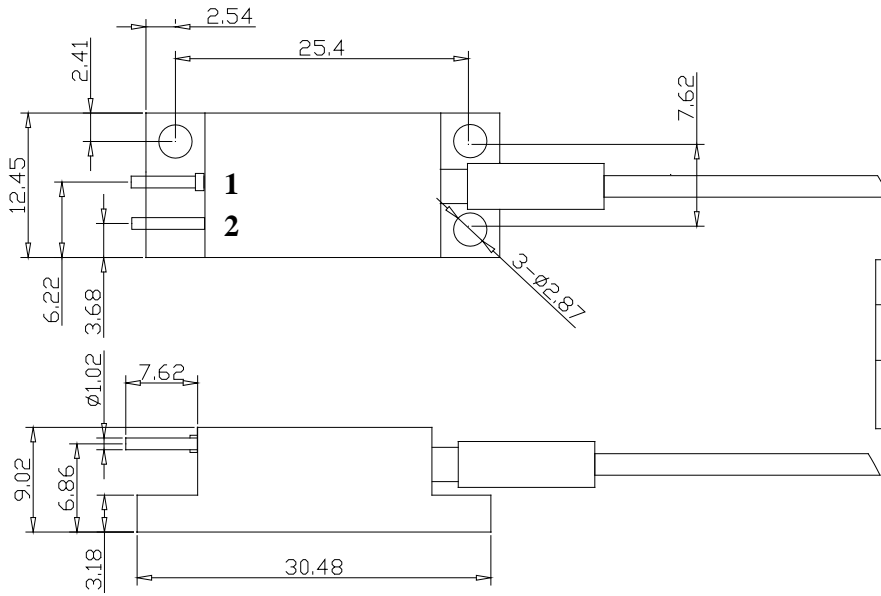
### Specifications

### WSLX-830-001-H

Center Wavelength@25°C	±3nm	830nm	±10nm
Spectral Width (FWHM)	----	1nm	2.5nm
Output Power	----	1W	----
Temperature Coefficient of Wavelength	0.3nm / °C		
Threshold Current (Typ.)	160mA		
Operating Current (Typ.)	1.2A		
Operating Voltage	1.8V		
Recommended Case Temperature	25°C		
Fiber Core Diameter	50um, 60um, 105um Optional		
Fiber Numerical Aperture	0.12 ,0.22 Optional		
Fiber Length	50cm or 100cm		
Connector Type	SMA905/ST/SC		
Package Style	2-pin		



### 2-pin Package View



PIN	FUNCTION
1	LD (+)
2	LD (-)

Electrically shorten LD module and store in non-extreme conditions.  
 Suggest using the constant current power supply.

