

**1290nm 5mW Fiber Coupled LD with 14-pin Butterfly (BTF) Package | TEC Cooling| Built-in PD**  
**1290nm|14-pin Butterfly DFB Laser Module | Single Mode Fiber Coupled| High Power Laser Diode**  
**WSLX-1290-005m-9-T-DFB**      **Wavespectrum Laser Group.**      **www.wavespectrum-laser.com**

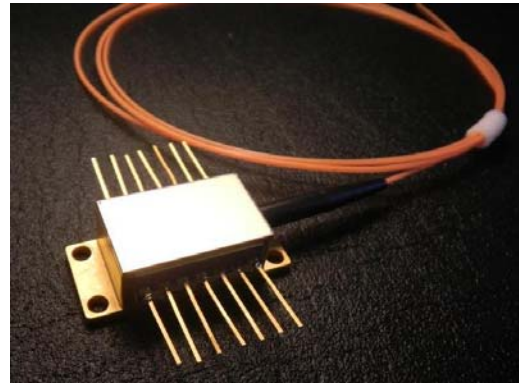
PARAMETER	SYMBOL	VALUE	UNIT
Reverse Voltage	$V_r$	2.0	V
Operating Temperature	$T_{op}$	-20 ~ +50	°C
Storage Temperature	$T_{stg}$	-40 ~ +85	°C
Lead soldering temperature (10 sec.)	$T_{is}$	260	°C

**Features:**

- 1290nm
- 14-pin Butterfly package
- Single Mode Fiber
- Built-in Isolator
- Built-in TEC Cooling

**Applications:**

- Test Equipment
- Optical Transmitter of Analog Signal
- Optical Transmitter of Data Signal



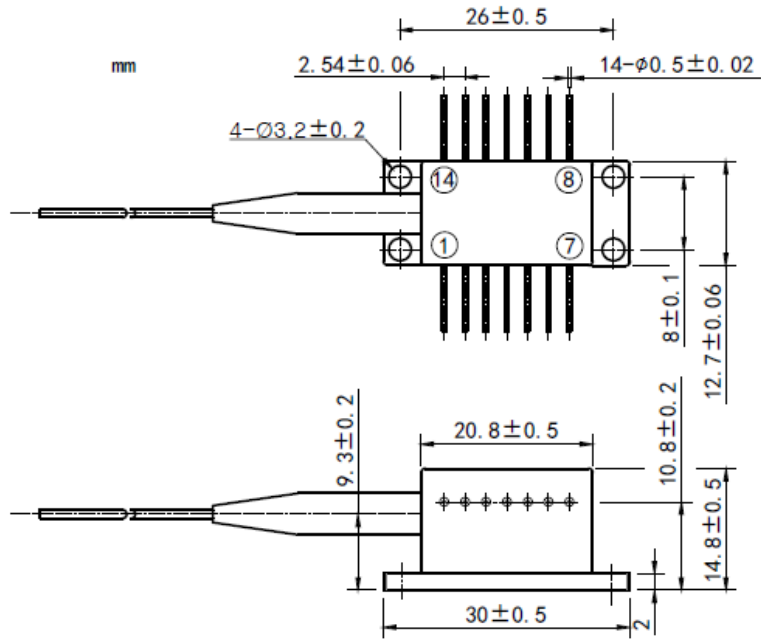
**Specifications**

**WSLX-1290-005m-9-T-DFB**

	Min	Type	Max
Center Wavelength@25°C	±3nm	1290nm	±5nm
Spectral Width (FWHM)	----	0.2nm	----
Output Power	5mW		
Threshold Current (Typ.)	10mA		
Operating Current (Typ.)	60mA		
Operating Voltage	1.4V		
Recommended Case Temperature	25°C		
Thermistor	10K		
TEC Max Current	1.8A		
TEC Max Voltage	2.5V		
Fiber Core	9um		
N.A.	0.12		
Fiber Length	80cm		
Connector Type	FC/SMA905		



### 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)

