



780nm 700mW Fiber Coupled Laser Diode with Butterfly (BTF) Package | Built-in TEC cooler | With Photodiode

780nm 700mW Pigtailed Diode Laser Module With 14-Pin Butterfly Package | Infrared LD Module

WSLX-780-700m-H-T-PD

Wavespectrum Laser Group

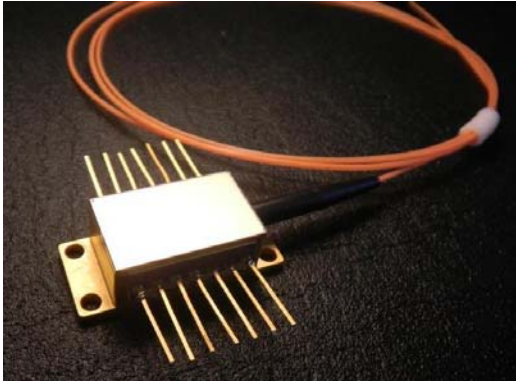
www.wavespectrum-laser.com

780nm Pigtailed Diode Laser	700mW/MM Fiber	en.wavespectrum-laser.com.cn
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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:**

- 780nm
- 14-Pin Butterfly Package
- Built-in TEC Cooler
- Built-in Photodiode



**Applications:**

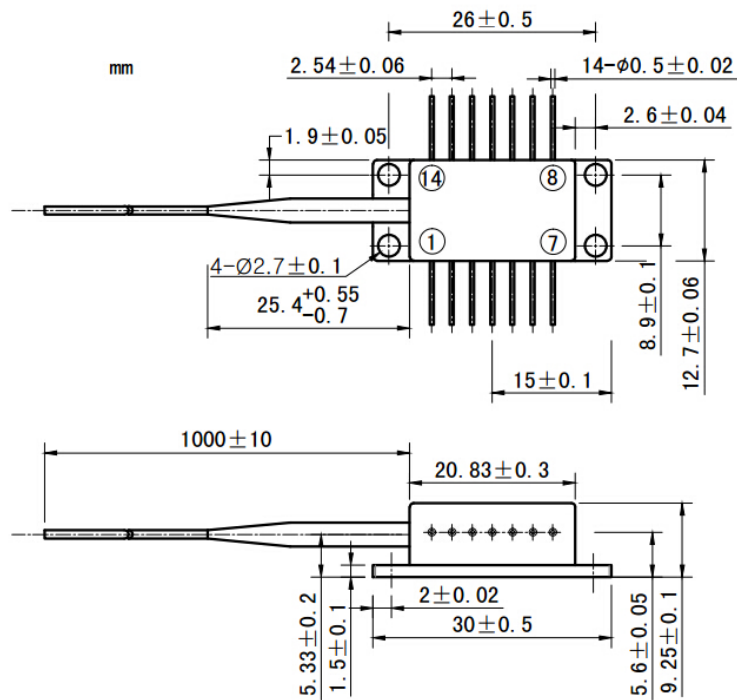
- Medical laser treatment
- Sensor
- Others

Specifications	WSLX-780-700m-H-T-PD		
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	Min	Type	Max
Center Wavelength@25°C	±3nm	780nm	±10nm
Output Power		700mW	
Spectral Width (FWHM)		2nm	
Recommend Operating Temperature		25°C	
Temperature Coefficient of Wavelength		0.3nm / °C	
Threshold Current (Typ.)		0.3A	
Operating Current (Typ.)		1.2A	
Operating Voltage		1.9V	
TEC Max Current		1.8A	
TEC Max Voltage		2.5V	
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.

