

840nm~850nm 12W Fiber Coupled Laser Diode Module | Built-in TEC Cooler |9-Pin (BTF) Package

850nm | 9-Pin Butterfly Package| 400um Fiber Core| High Power LD | Built-in PD

WSLX-850-012-400M-H9-T-PD

Wavespectrum Laser Group

en.wavespectrum-laser.com.cn

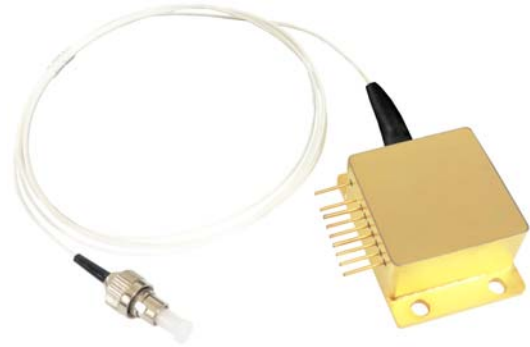
PARAMETER	SYMBOL	VALUE	UNIT
Reverse Voltage	V_r	2.0	V
Operating Temperature	T_{op}	+10 ~ +30	°C
Storage Temperature	T_{stg}	-20 ~ +80	°C
Lead soldering temperature (10 sec.)	T_{is}	260	°C

Features:

- 850nm
- Multimode Fiber
- 9-Pin Package
- Built-in TEC Cooler
- Built-in Photodiode

Applications:

- Medical Laser Treatment
- Others



Specifications

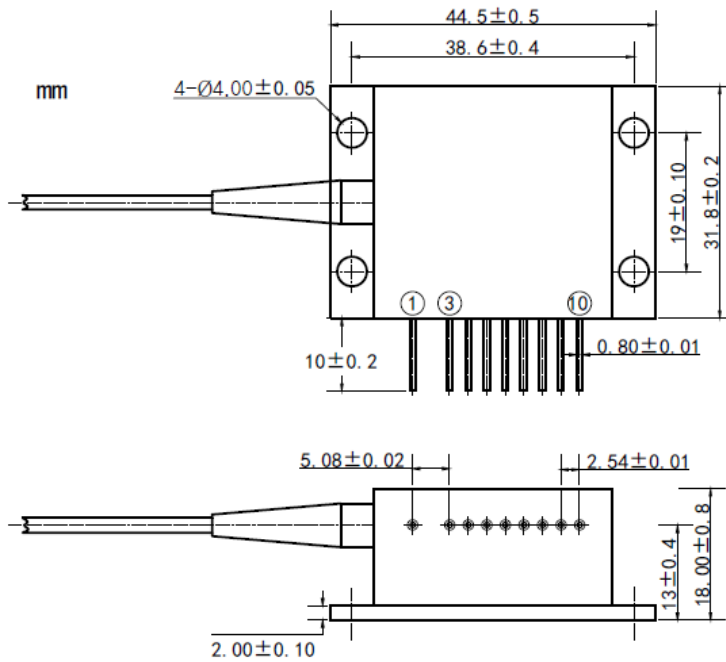
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	Min.	Type	Max.
Center Wavelength@25°C	850nm±20nm		
Spectral Width (FWHM)	----	5nm	----
Output Power	11W	12W	----
Temperature Coefficient of Wavelength	----	0.3nm / °C	----
Threshold Current (Typ.)	----	1.2A	2.0A
Operating Current (Typ.)	----	8.0A	8.5A
Operating Voltage	----	4.0V	4.6V
Recommended Case Temperature	25°C		
TEC Max. Current	6A		
TEC Max. Voltage	9.8V		
Thermistor	10K		
Fiber Core Diameter	400um		
Fiber Numerical Aperture	0.22		
Fiber Length	>80cm		
Connector Type	SMA905 / ST / FC		
Package Style	9-Pin		

sales@wavespectrum-laser.com



9-Pin Package View



PIN	FUNCTION
1	TEC (-)
2	-
3	CASE
4	LD (+)
5	THERM
6	THERM
7	LD (-)
8	PD (P)
9	PD (N)
10	TEC (+)

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

