405nm/8W Space Coupling Fiber Laser Module

LY405-8W-FF150 Specifications

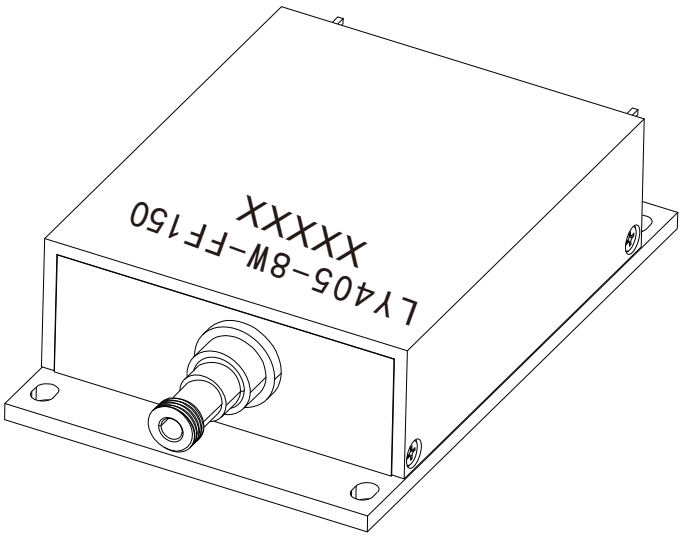
Features：

- Optical Power： 8W(CW)
- Wavelength： 400-410nm
- Rated current： 650mA(TYP.)
- Dimension： 73.5*40*19.05mm

Application Scenarios

- Medical Analytics
- Fluorescence Excitation
- Material Processing
- Biochemical Research
- Criminal Investigation
- UV Exposure

Outline



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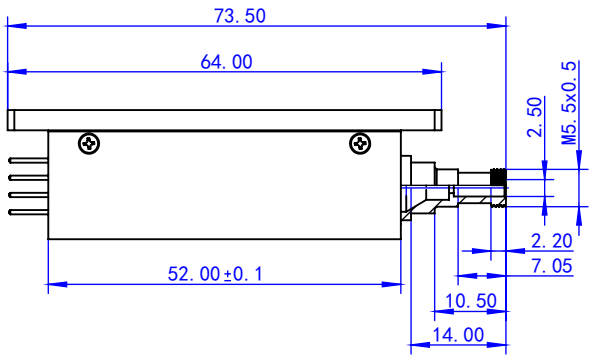
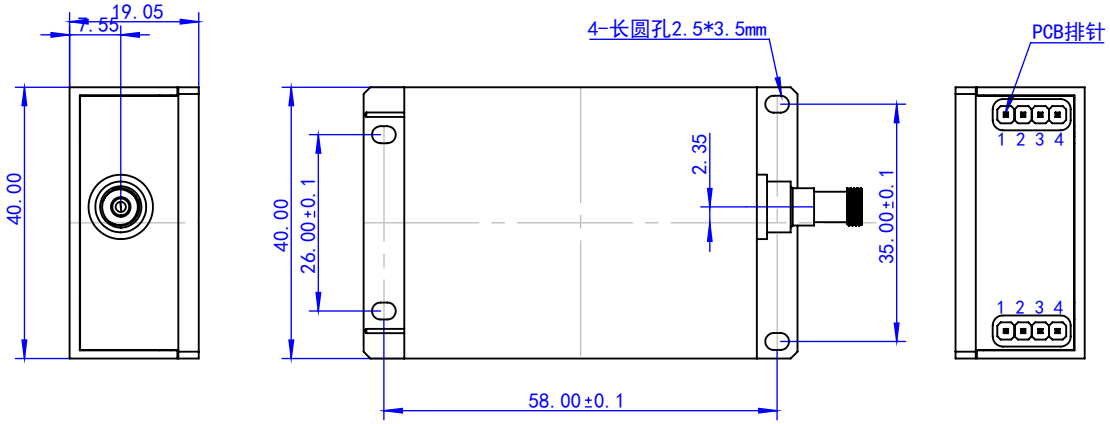
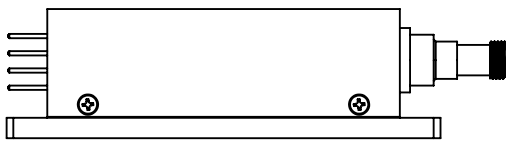
LY405-8W-FF150 Specifications

Dimensions:







1/Laser（+）
2/Laser（−）
3/4/Thermistor

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LY405-8W-FF150 Specifications

Absolute Maximum Ratings (TC=25°C)

Item	Symbol	Ratings	Unit/Condition
Optical output power	PO	8	W
LD Reverse Voltage	VR(LD)	2	V
Operating Temperature	TOPR	17-25	℃
Working Humidity	RH	50%-70%	No condensation
StorageTemperature	TSTG	-40~+80	℃

Optical and Electrical Characteristics (Tc=25°C)

Item	Symbol	Min	Typ	Max	Unit	Test Condition
Output power	PO	6.4	7	-	W	
Threshold current	Ith	-	125	200	mA	Single Channel
Working current	Iop	-	650	750	mA	Single Channel
Working Voltage	Vop	-	19	24	V	Single Channel
Wavelength	λ	400	405	410	nm	
Coupling Efficiency	η	80	85	-	%	Fiber core diameter 105μm
Shell Polarity				0	+/-/0	No polarity

Note: The laser is driven by constant current.

405nm/8W Space Coupling Fiber Laser Module

LY405-8W-FF105 Specifications

BU-LASER's special reminder: Please pay attention to electrostatic protection during transportation and use of laser products,and pleasedo not exceed the maximum value in the application,so as to avoid the rapid aging of the laser.

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When designing product applications, please pay attention to use it within the permitted range. In particular, the maximum ratings, operating voltage, current range, thermal radiation characteristics, installation conditions and other characteristics. BU-Laser does not assume anyresponsibility for failures or damage when used beyond the guaranteed range. Even within the guaranteed range, please adopt systematic measures such as failsafe, TVS diodes, etc. to protect the laser tube in consideration of the generally foreseeable failure rate or failure mode in semiconductor devices.

The laser will cause direct or indirect damage to the human body,especially thee yes. If you need to observe the laser,please use an ultraviolet camera to observe it.