

Model Number		PT-LD-635nm-400mw	
Optical Specifications			
Wavelength	635nm	Output Power	400mw
Beam shape	Round	Working Temperature	10~60°C
Storage Temperature	-40°C ~ 70°C	Diode life	~10000 小时
Spatial mode	Tem00	Cooling	Tec and fan cooling
Electrical Specifications			
Working mode	CW	Input voltage	AC- 220V
机械参数:			
Dimension(mm)	105*70*35	Tested Output(mw)	410
Working current(A)	0.45		



HOW TO USE PT-LD-635nm-400mw

I: How to Connect the laser

There are 8 Connectors in the laser module.

1. LD: Positive end
2. LD: Negative end
3. RT: Two Thermal Connectors, no positive or negative
4. TEC: Positive end
5. TEC: Negative end

I: How to Connect the power supply

Plug the three-core one with the power driver to the wall source. Connect the Air plug to the power supply and tighten the screw and connect 2.5v modulation voltage to the modulation terminal. Remove the protection cap of the fiber, connect it and fixate the screws. Be sure all connections are done right before switching on the power supply, otherwise the laser might be burned due to wrong connections.



Power Driver TEC
Output Terminal:
Red - TEC(Positive)
Black - TEC(negative)

RT: Two Thermal
Connectors, no positive
or negative

Fiber Coupled Output
Connector



驱动电源, LD 输出
电缆接口与模块插
头相接

General Switch of
Power Driver

Three-core Docket

2.5v Modulation
Docket,
Red - Positive
Blue - Negative



III: Trouble Shootings

No lasing when it is switched on

How to fix:

- A. check if the voltage and modulation voltage are working.
- B. Check if the input voltage is working right. If the voltage value of the laser is around the rated value. The laser doesnot work if the voltage exceeds or is under the rated value.
- C. It is normal if the laser still works when it is switched off. The power supply stops working in 5 seconds.