

# 超辐射宽谱激光器

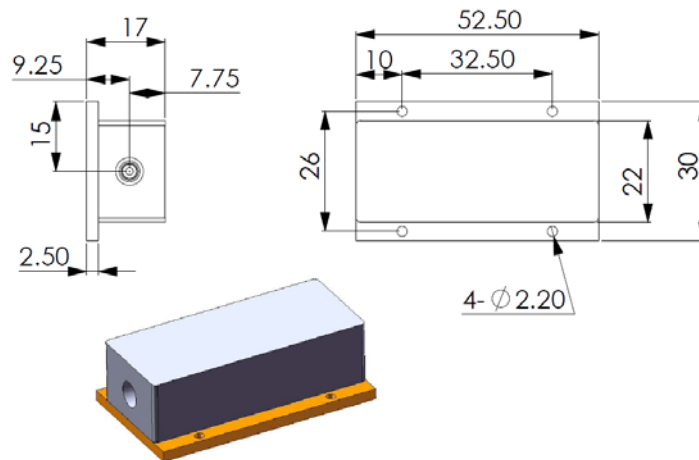
超辐射宽谱激光器是一款高温度稳定性的半导体激光器，它拥有非常低的 M2 因子，在很宽的操作温度范围内保持优秀的光点稳定性。相比较其他同类激光器，独特的驱动电路保证了本产品很低的功耗。激光功率大小可调，并设定最高限流保护。产品外壳防静电保护，使用方便，即插即用，结构尺寸紧凑。

## 产品性能参数

|        | 测试条件             | 最小值     | 典型值 | 最大值     | 单位   |
|--------|------------------|---------|-----|---------|------|
| 光学性能   |                  |         |     |         |      |
| 中心波长   | T=25 °C          | XXX -15 | XXX | XXX -15 | nm   |
| 输出功率   | T=25 °C          |         | 5   | 10      | mW   |
| 带宽     | FWHM             |         | ~20 |         | nm   |
| 准直光斑参数 |                  |         |     |         |      |
| M2     |                  |         |     | ~1.2    |      |
| 光斑直径   | 1/e2             | ~3      |     |         | mm   |
| 光束发散角  | 全角               |         |     | 1       | mrad |
| 电学参数   |                  |         |     |         |      |
| 电源     |                  | 9       |     | 12      | V    |
| 功耗     |                  |         | 0.5 | 1       | W    |
| 功率控制电压 |                  | 0.5     |     | 5       | V    |
| 控制模式   | TTL / Local      |         |     |         |      |
| 功率大小设置 | 0% ~ 100% 输出     |         |     |         |      |
| 环境参数   |                  |         |     |         |      |
| 保存温度   |                  | 0       |     | 50      | °C   |
| 操作温度   |                  | 10      |     | 40      | °C   |
| 操作湿度   | Non condensing   |         |     |         |      |
| 机械尺寸   | 52.5mmX30mmX17mm |         |     |         |      |

\*The mechanical tolerance should be +/-0.2mm on all package dimensions unless otherwise custom specified

## 激光头机械尺寸

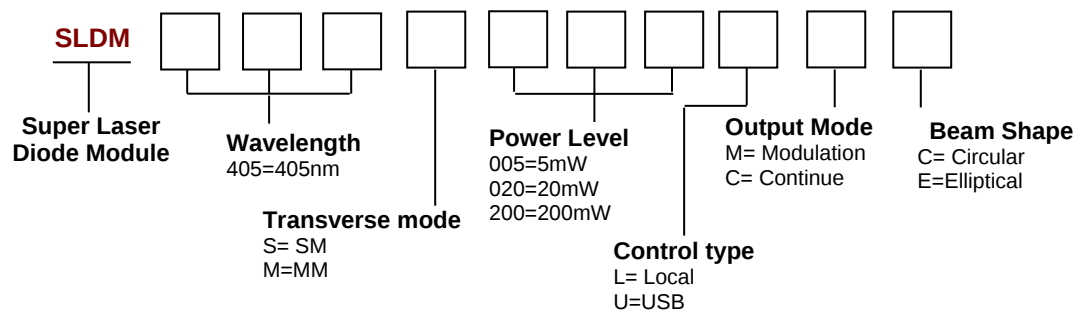


## 波长列表

| Wavelength (nm) | Power (mW) | Bandwidth (nm) | Wavelength (nm) | Power (mW) | Bandwidth (nm) | Wavelength (nm) | Power (mW) | Bandwidth (nm) |
|-----------------|------------|----------------|-----------------|------------|----------------|-----------------|------------|----------------|
| 405nm           | 10         | 4              | 840nm           | 10         | 50             | 1300nm          | 30         | 60             |
| 450nm           | 5          | 6              | 850nm           | 5          | 55             | 1350nm          | 25         | 50             |
| 635nm           | 10         | 6              | 880nm           | 10         | 70             | 1450nm          | 5          | 80             |
| 650nm           | 10         | 6              | 1050nm          | 10         | 70             | 1520nm          | 50         | 60             |
| 750nm           | 10         | 20             | 1060nm          | 20         | 70             | 1550nm          | 10         | 100            |
| 790nm           | 10         | 20             | 1070nm          | 10         | 90             | 1550nm          | 5          | 160            |
| 820nm           | 10         | 25             | 1230nm          | 10         | 45             | 1560nm          | 30         | 40             |
| 830nm           | 10         | 20             | 1300nm          | 10         | 90             | 1580nm          | 20         | 60             |

## 产品订购编码原则

For more information of our products, please contact factory directly or your local distributor via E-mail or phone.



This component does not comply with the Federal Regulations (21 CFR Subchapter1 ) as administered by the Center for Devices and Radiological health. Purchaser acknowledges that his/her products must comply with these regulations before they can be sold to a customer. The output light from this product is harmful to a human body even if it is invisible. Avoid looking at the output of this product directly, or through a lens during operation. Observance of operation should be through a TV camera or related equipment. Refer to IEC 825-1 and 21 CFR 1040.10-1040.11 as a radiation safety standard for laser products.

Fiblaser follows a policy of continuous product improvement. Specifications are subject to change without notice.