



# 飞秒脉冲光纤激光种子源

## Femtosecond Pulse Fiber Laser Source

飞秒脉冲光纤激光种子源是超短脉冲光纤放大系统的理想种子源。本产品采用先进的锁模技术，可产生小于 200 飞秒的脉冲输出。参数设置和操作可通过电脑控制，内嵌的机电控制系统实现了自我维护功能。

femtosecond pulse fiber laser source is an ideal seed source for the ultra-short pulse fiber laser amplification system. Applied with advanced mode-lock technology, it can generate 150 fs pulse output. The parameters setting and control can be operated via computer. It is maintained with embedded machinery automatically.

### 产品特点 Features

- 线偏振  
Linear Polarization
- 脉冲消光比高  
High Pulse Extinguish Ratio
- 光束质量优秀  
Excellent Beam Quality
- 抗反射度高  
High Anti-Reflection
- 自我维护，提供级联选项  
Self-Maintained With Cascade Option

### 产品应用 Applications

- 超短脉冲光纤激光器  
Ultra-Short Pulse Fiber laser
- 超短脉冲光纤放大器  
Ultra-Short Pulse Fiber Amplification
- 科学研究  
Scientific Research

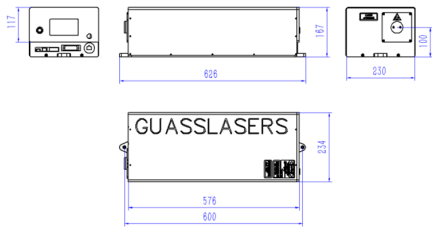


● 技术参数 Specifications

| 参数 Parameters                                      | 单位 Unit | Y12-SD                                 |
|----------------------------------------------------|---------|----------------------------------------|
| 工作模式 (Working Mode)                                |         | Pulse                                  |
| 中心波长 (Center Wavelength)                           | nm      | 1040 ± 10                              |
| 最大平均功率 (Max Optical Average Power)                 | W       | < 10                                   |
| 脉宽 (Pulse Width)                                   | fs      | <200 ( dechirped) , 15 ps chirped      |
| 脉冲重复频率 (Pulse Repetition Rate)                     | MHz     | 40-55                                  |
| 偏振 (Polarization)                                  |         | linear                                 |
| 光束质量 M <sup>2</sup> (Beam Quality M <sup>2</sup> ) |         | ≤ 1.2                                  |
| 输出光功率可调范围 (Output Power Tunability)                | %       | 0 - 100                                |
| 功率稳定性 (Power Stability)                            | %       | < 2                                    |
| 输出光纤连接头 (Delivering Fiber Length)                  |         | Collimated output ( or FC/UPC,FC/APC ) |
| 出厂尾纤长度 (Delivering Fiber Length)                   | m       | 1                                      |
| 用户界面 (User Interface)                              |         | Ethernet and RS232                     |
| 模块级联端口 (Cascade Port )                             |         | CANBUS(RJ45)                           |
| 工作环境 Working Conditions                            |         |                                        |
| 功率 (Power Consumption)                             | W       | <50                                    |
| 工作电压 (Electrical Supply Voltage)                   | VDC     | 24                                     |
| 工作温度 (Operating Temperature)                       | ° C     | 20 to 30                               |
| 存储温度 (Storage Temperature)                         | ° C     | 0 to 50                                |
| 尺寸 (长 × 宽 × 高) (Dimensions (L x W x H))            | mm      | 600 x 230 x 234                        |
| 重量 (Weight)                                        | kg      | 55                                     |

★ 本产品可以根据客户要求定制  
Above specifications can be customized for your specific application.

● 机械结构 Mechanical Dimensions



● 订购信息 Ordering Information

请联系我们的销售人员  
Please contact with our sale staff.

[www.gslasers.com](http://www.gslasers.com)