



上海飞博激光科技有限公司

MOPA脉冲光纤激光器

MOPA Pulsed Fiber Laser

| 关键参数 | Key Parameters | Unit | 指标 Specifications |
|-------------------------|---------------------------------|------|--------------------|
| 名称/型号 | Name/Model Number | / | YDFL-P-250-6-S1-10 |
| 工作模式 | Operation Mode | / | Pulsed |
| 偏振态 | Polarization | / | Random |
| 中心波长 | Central Wavelength | nm | 1064±5 |
| 3dB谱宽 | Spectral Width @ 3dB | nm | ≤10 |
| 功率占比 _{@λ±20nm} | Fraction of Power within λ±20nm | / | ≥90% |
| 最大平均输出功率 | Max Average Output Power | W | 250 |
| 功率调校范围 | Power Tuning Range | % | 10~100 |
| 最大脉冲能量 | Maximum Pulse Energy | mJ | ≥6 @250W,40kHz |
| 调制频率范围 | Modulation Freq. | kHz | 20~5000 |
| 满功率调频范围 | Frequency range @Max Ave. Power | kHz | 40~5000 |
| 光束质量 | M ² | | 6±0.5 |
| 功率稳定性 | Power Stability | % | ≤5 |
| 脉冲宽度 | Pulse Width Range | ns | 10~1000 |
| 最大峰值功率 | Max Peak Power | kW | ≥40 |
| 防返波段 | Restrain of Reverse Wavelength | nm | 1000~1100 |
| 防返隔离度 | Isolation of Reverse | dB | ≥28 |
| 机箱尺寸 | Dimensions (L*W*H) | mm | 598×450×193 |
| 输出光缆长度 | Delivery Cable Length | m | ≥3 (可定制) |
| 激光输出头 | Delivery Head | / | 准直隔离器 |
| 准直光斑直径 | Collimated Beam Diameter | mm | 10 (可定制) |
| 输入电压 | Operating Voltage | VAC | 220V、47~63Hz |
| 最大功耗 | Max Power Consumption | W | 950 |
| 冷却水温 | Cooling Water Temperature | °C | +21 ~ +25 |

产品应用:

- 精密微加工
- 激光清洗、打标、去除
- 激光深雕、挖槽
- 激光划线、刻线
- 激光切割、钻孔

Applications:

- Precision machining
- Laser cleaning/marking/ablation
- Metal deep engraving
- Laser scribing/patterning
- Laser cutting/drilling



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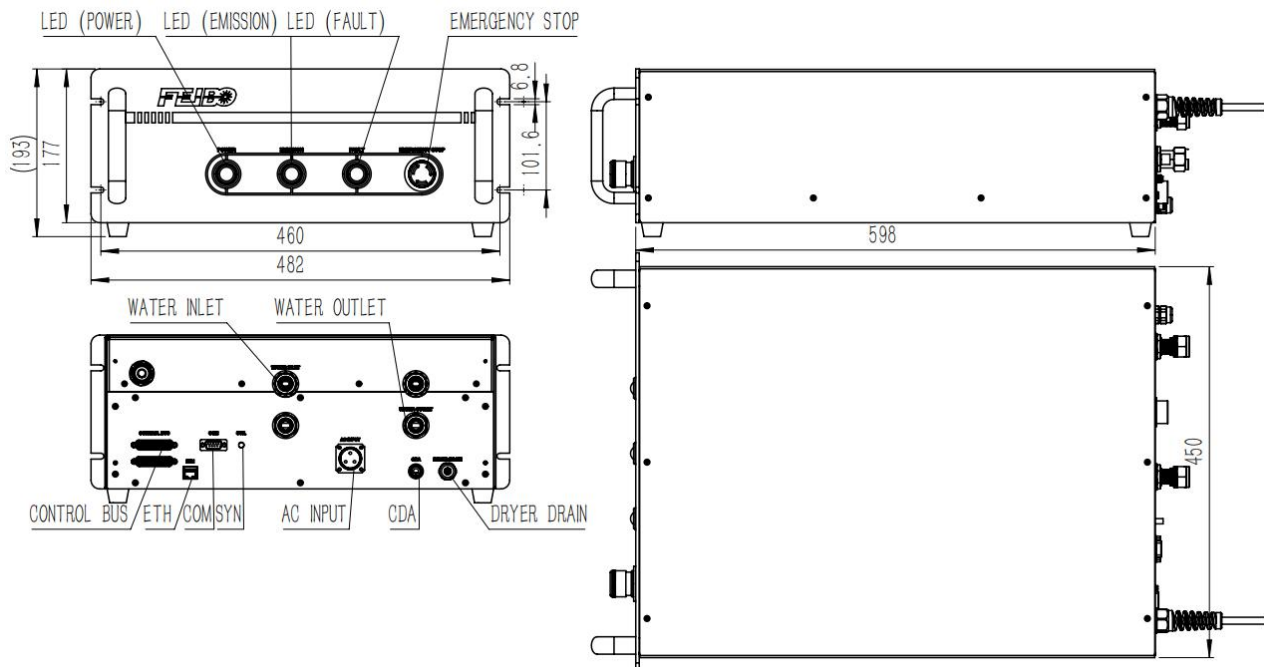
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输出头

