

# LD侧面泵浦 固体激光器

LD side pumped solid-state laser



## 特点 Characteristic

体积小、重量轻、高重复频率，光束质量好，用于激光测距，定量分析等，多种波长可供选择，风冷便于集成

Small size, light weight, high repetition rate, good beam quality, suitable for laser ranging, quantitative analysis, etc. Multiple wavelengths are available for selection, air-cooled for easy integration



## 优势 Superiority

● 体积小、重量轻

Small size and light weight

● 高重复频率、光束质量好

High repetition rate, good beam quality

● 多波长可选

Multiple wavelengths available

● 风冷便于集成

Air cooling facilitates integration

## 参数 Data sheet

技术指标 Technical Indicators	1064nm	532nm	355nm	266nm
单脉冲能量/Single pulse energy (mJ)	120	60	30	15
能量稳定性/Energy stability RMS (%)	< 1%	< 1.5%	< 2%	< 3%
波长/wavelength (nm)	1064/532/355/266nm			
脉冲宽度/Pulse width (ns)	< 10			
重复频率/Repetition frequency (Hz)	up to 100Hz			
发散角/Divergence angle (mrad)	< 5			
光束质量/Beam quality M <sup>2</sup>	≤ 1.5			
光斑直径/Spot diameter	≈ 6			
输入功率/Input power (W)	200			
制冷量/Refrigeration capacity (W)	< 100W			
工作环境温度/Working environment temperature (°C)	10-35 °C			
工作环境湿度/Working environment humidity (%)	< 60%			
激光器冷却介质/Laser cooling medium	Air cooling			