



产品简介
PR 绿光系列 PR Green Laser Series



PR绿光系列激光器采用半导体泵浦激光技术，结合独特的热透镜补偿激光腔型设计、声光调Q技术、高效率的频率变换技术及高精度温控系统。依照全固态激光器工业要求进行设计，具有长时间工作稳定性高和光束质量好等优点，可提供不同的功率和重复频率输出，经过长时间验证满足24/7的工业制造环境，来满足不同应用的需求。

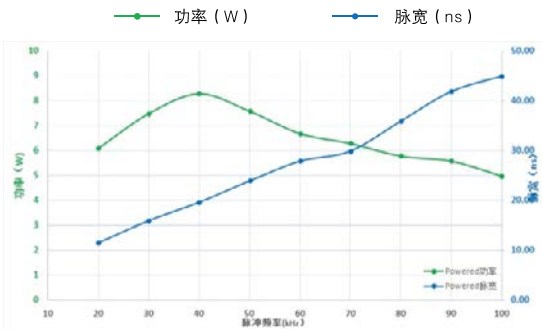
PR series green laser adopts LD pumped technology, combined with unique compensation laser cavity design of thermal lens, acousto-optic Q-switched technology and high precision temperature control system. In accordance with the industry requirement of all solid state for design, with the feature of long-term stability and good beam quality, etc., providing different power and repetition frequency output, to meet 24/7 industrial environment after a long time test, to meet different applications.

产品特性	Features
◆独有的腔内倍频技术，体积小，寿命长	◆Unique intracavity second harmonic generation technology, small volume, long lifetime
◆完美的光束质量及指向性	◆Perfect beam quality and High beam pointing stability
◆高精度温控系统保证脉冲稳定性	◆High precision temperature control system to ensure that pulse stability
◆创新的热透镜补偿设计	◆Innovative compensation cavity design of thermal lens
应用领域	Applications
◆FPC/PCB、玻璃/晶圆、芯片切割	◆FPC/PCB, glass/ wafer, chip cutting
◆内雕、陶瓷打孔划片	◆Inside carving, ceramics scribing and drilling
◆太阳能薄膜刻划	◆Solar film-scribed
◆金属及非金属表面加工	◆mental and non-metal processing
◆科学研究光源	◆Light source of scientific research

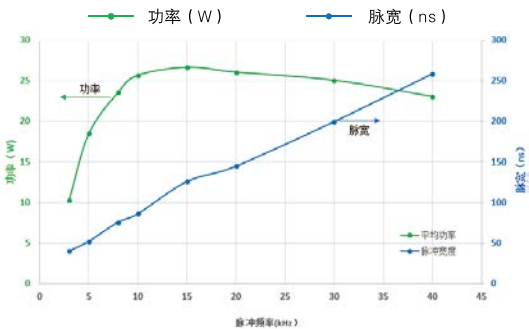
光学参数
Specifications

型号 Model	PR-532-8-A	PR-532-5-B	PR-532-15-B	PR-532-25-B	PR-532-60-B
波长 Wavelength	532nm				
重复频率 Repetition Rate	1 kHz – 100 kHz	1 kHz – 50 kHz			
平均功率 Average Power	>8W@30kHz	>5W@10kHz	>15W@10kHz	>23W@10kHz	>60W@10kHz
脉冲宽度 Pulse Width	~15ns@30kHz	~30ns@10KHz	~30ns@10kHz	~100ns@10kHz	~120ns@10kHz
光束质量 Beam Quality	M ² <1.3				
光斑圆度 Beam Ellipticity	>90%				
功率稳定性 Power Stability	<2%@RMS				
偏振 Polarization	垂直偏振 Vertical				
电源 Power supply	220V/50Hz/AC				
冷却方式 Cooling	风冷 Air cooling		水冷 Water cooling		

PR-532-8-A 曲线
8W Series: Power / Pulse width VS PRF



PR-532-25-B 曲线
15W Series: Power / Pulse width VS PRF



PR-532-25-B 激光机械尺寸图
PR-532-25-B Laser Dimensional Figure

