



亚纳秒光纤激光器 Sub-Nanosecond Fiber Laser

Y9 系列光纤激光器产生高精度的纳秒激光，为工业金属或非金属加工与材料表面处理而设计。脉冲宽度可在 0.8ns 至 500ns 范围内任意可调，重复频率可在 20kHz 至 1MHz 范围内可调。Y9 系列是 MOPA 结构激光器，非常稳定可靠。

Series Y9 fiber lasers produce highly precise nanosecond pulse lasers, suitable for a wide variety of laser marking and material processing applications. Series Y9 fiber lasers offer precise pulse sequence (0.8ns 20ns, 20kHz 1MHz). Y9 series are designed with MOPA configuration which is high stability and high reliability.

产品特点 Features

线偏振
Linear Polarization
外部或内部触发同步 和同步输出
External or internal Trig Synchronization, and Trig Output
优良的光束质量
Excellent Beam Quality
高抗反射能力
High Anti-reflection
免维护
Maintenance-free

产品应用 Applications

打标
Marking
钻孔
Drilling
微机械加工
Micromachining
硅晶片加工
Wafer Scribing
科学研究
Scientific Research



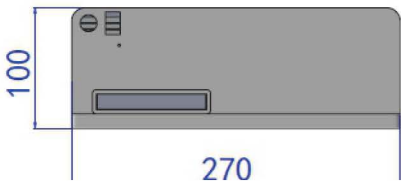
● 技术参数 Specifications

参数 Parameters	单位 Unit	Y9
工作模式 (Working Mode)		脉冲 Pulse
中心波长 (Center Wave length)	nm	1064±5
平均光功率 (Average Power)	W	50
脉冲宽度 (Pulse Width)	ns	0.8-500
重复频率 (Pulse Repetition Rate)	kHz	20~1000
偏振 (Polarization)		线性或随机 (Linear or Random)
脉冲能量 (Max Pulse Energy)	mJ	≤ 1.25@8ns
光束质量M ² (Beam Quality M ²)		≤1.2
输出光斑直径 (Collimated Beam Diameter)	mm	5-8(可定制)
输出光功率可调范围 (Output Power Tunability)	%	0-100
功率稳定度 (110 小时) (Power Stability)	%	<2
传递光纤长度 (Delivering Fiber Length)	m	1
工作环境 Working Conditions		
功率消耗 (Power Consumption)	W	<200
工作电压 (Electrical Supply Voltage)	VDC	24
工作温度 (Operating Temperature)	°C	0-30
存储温度 (Storage Temperature)	°C	0to50
体积 (Dimensions)(LxWxH)	mm	300x270x100
重量 (Weight)	Kg	8

* 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