



皮秒打标激光器

Picosecond Fiber Laser Of Marking

P07 激光器专为高精密行业打标以及刻蚀方面研发设计，主要其优势是可以通过短脉宽高峰值功率减少热效应从而能够在特殊材料上达到表面标刻以及刻蚀，以及减少脉冲的上升沿和下降沿的时间延时，从而使得标刻效果更加均匀。

P07 laser is designed for high precision industry marking and etching. The thermal effect can be reduced, Due to short pulse width and high peak power, to achieve the surface marking and etching. The shorter time delay of pulse rise and fall make marking more uniform.

产品特点 Features

- 光开关延时短
Short optical switch delay
- 优良的光束质量
Excellent beam quality
- 线偏振
Linear Polarization
- 脉冲时间抖动小
Low Timing Jitter
- 功率稳定性高
High stability power
- 高抗反射能力
High Anti-reflection

产品应用 Applications

- 精密打标
Precision marking
- 精密刻蚀
Precision etching
- 精细打孔
Precision drilling



● 技术参数 Specifications

参数 Parameters	单位 Unit	Y12-P07H
工作模式 (Working Mode)		脉冲 (Pulse)
中心波长 (Center Wavelength)	nm	1064 ± 2
最大平均光功率 (Max Optical Average Power)	W	10
典型平均光功率 (Typical Average Power)	W	2w@200KHz
脉冲宽度 (Pulse Width)	ps	200
重复频率 (Pulse Repetition Rate)	KHz	100-1000
偏振 (Polarization)		线偏 (liner)
脉冲能量 (Max Pulse Energy)	uJ	15
光束质量 M2(Beam Quality M2)		≤ 1.2
输出光斑直径 (Collimated Beam Diameter)	mm	5.8 ± 0.2
输出光功率可调范围 (Output Power Tunability)	%	0 - 100
功率稳定度 (Power Stability)	%	< 3
开关响应时间 (Switching Response Time)	us	<1
传递光纤长度 (Delivering Fiber Length)	m	1
工作环境 Working Conditions		
功率消耗 (Power Consumption)	W	<100
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
体积 (Dimensions) (L x W x H)	mm	612 x 440 x 178
重量 (Weight)	kg	45

★ 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

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