

技术指标

参数名称	参数指标	单位	说明
激光波长 (Laser wavelength)	354.7	nm	
平均输出功率 (Average Output Power)	15	W	@50KHz
脉冲宽度 (Pulse Width)	<25	ns	@50KHz
脉冲重复频率 (Pulse Repetition Rate)	20-200	KHz	
激光输出模式 (Spatial Mode)	TEM ₀₀		
光束质量 (M ²)	<1.2		
光斑直径 (Beam Diameter)	1.0 ± 0.2	mm	Measured at window
光束发散角 (Beam full Divergence Angle)	<1.1	mrad	
光斑椭圆度 (Beam Circularity)	>90	%	
脉冲稳定性 (Pulse-to-Pulse Stability)	<3	%	RMS/@50KHz
功率稳定率 (Average Power Stability)	<5	%	RMS/8hr
光束指向稳定率 (Beam-pointing Drift)	<25	μ rad/°C	
偏振度 (Polarization Ratio)	>100:1		
偏振方向 (Polarization Orientation)	Horizontal		
工作温湿度 (Operating Temp. & RH)	10 to 30 <80	°C %	
储存温湿度 (Storage Temp. & RH)	-20 to 65 <90	°C %	
配电需要 (Electricity Requirement) 功耗 (Power Consumption)	100-240 50/60 <800	VAC Hz W	单相Single Phase
保修期 (Warranty)	15	months	

1. 激光功率和其他特性可优化在不同的重复频率范围.

Laser power and other characteristics can be optimized in different repetition rates.

2. 所指温度为环境温度.

The temperature referred is ambient temperature.