

3W 高稳定 CO2激光器

Model	L5-A
波长Wavelength (μm)	Approx. 10.6μm
平均功率CW Power(<40% Duty-cycle)	0.5-3.5 Watt
占空比范围Duty-cycle Range	5-40%
功率稳定度Power Stability ^{1,2}	≤±2.5%
调整频率PWM Frequency	2.5KHZ
光束质量Mode Quality (M ²)	≤1.2
光腰直径Beam Waist Diameter	2.4 mm
光腰位置Waist Location	Output Coupler
全角发散角Full Div. Angle	5.5 mrad
偏振Polarization	Random
上升时间Rise Time (μs)	200us
下降时间Fall Time (μs)	200us
供电电压Supply Voltage	28VDC, 7A Regulated
散热功耗Heat Dissipation	< 240W
冷却方式Cooling Requirement	Water Cooled
工作温度Working Temperature	5-40° C
尺寸Dimensions (LxWxH, mm)	354x75x86

¹ Power Stability is based on
 $\pm (P_{max}-P_{min}) / (P_{max}+P_{min})$
 at constant duty cycle after thermal
 equilibrium

2. power stability testing at 30
 minutes after star-up

3. Beam specifications measured at
 1/e²

