

产品型号：808nm-5W 半导体激光器

MT-0808-0005013

808nm-5W Fiber-Coupled Semiconductor Laser Module

应用 / Application:

- 医疗应用 / Medical application
- 材料加工 / Material Processing
- 激光泵浦 / laser pumping

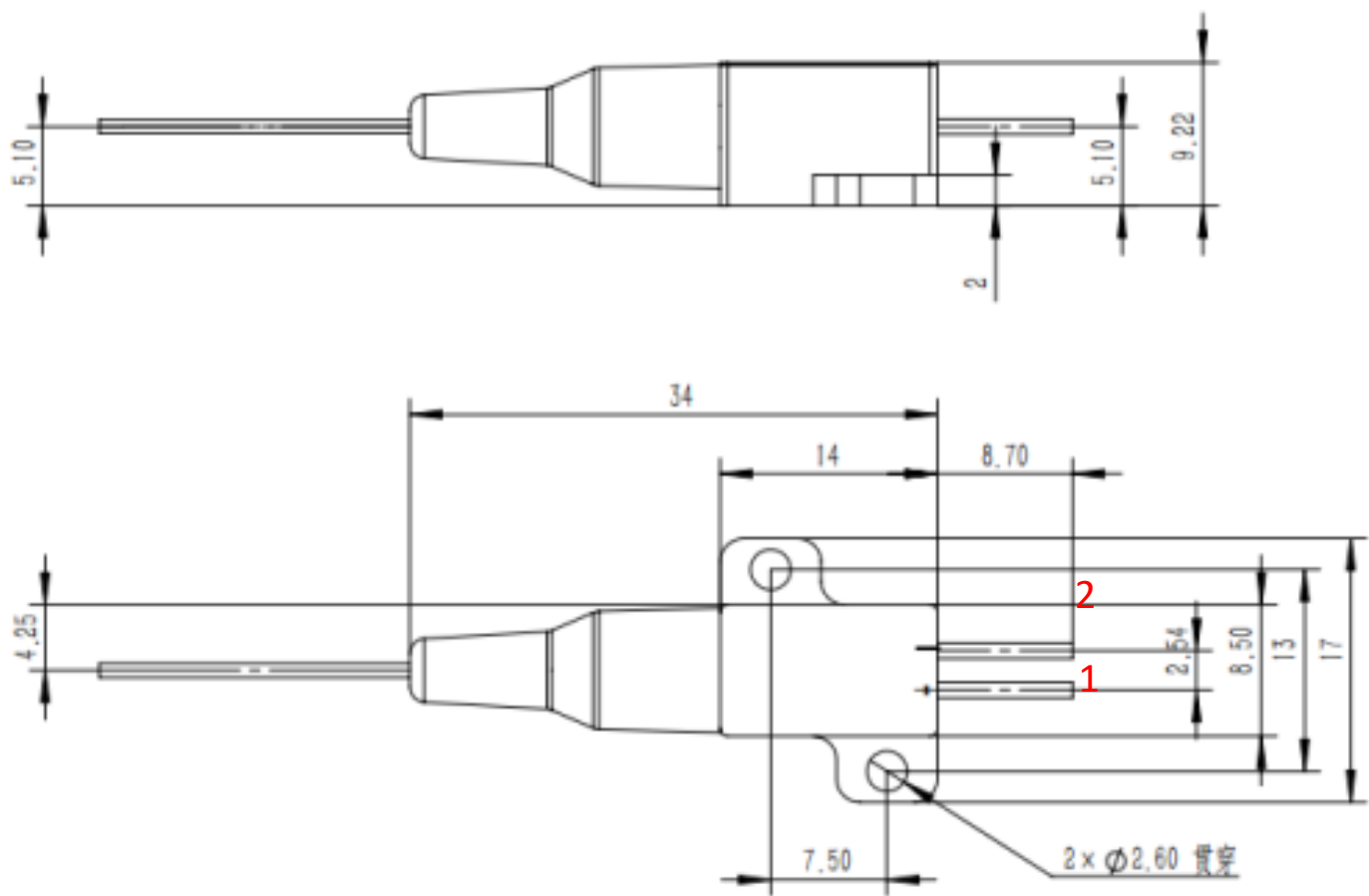


技术指标/Specifications

	单位 Unit	典型值 Typical	最大值 Maximum	
光 / 电 参 数 Optical/Electrical Parameters				
中心波长 / Center Wavelength	nm	808		
输出功率 / Output Power	W	5		
阈值电流 / Threshold Current	A	0.7	0.9	
工作电压 / Operating Voltage	V	1.75	1.85	
工作电流 / Operating Current	A	5.5	7	
斜率效率 / Slope Efficiency	W/A	1.2		
电光效率 / Electro-Optical Efficiency	%	52		
光 纤 参 数 Fiber Parameters				
光纤芯径 / Fiber Core Diameter	μm	105		
光纤数值孔径 / Fiber NA	-	0.22		
光纤长度 / Fiber Length	m	1.5(可选)		
光纤接口 / Fiber Interface	-	SMA905		
使 用 条 件 Operating Conditions				
使用温度 / Operating Temperature	℃	15	25	35
存储温度 / Storage Temperature	℃	-20		50
湿度 / Humidity	%	< 70% (25℃)		
冷却方式 / Cooling Method	-	水冷 Water Cooling		
水管规格 / Pipe Specifications		10*6.5mm		
流量 / Min. Flow Rate	L/min	10		
引脚焊接时间 / Pin Soldering Time	s	< 10		
焊接温度 / Soldering Temperature	℃	< 280		
■ 测试条件：水温 25℃ Test Conditions: Water Temperature 25℃ ;				

注 意 事 项 CAUTIONS: 本产品规格书数据仅供参考。具体指标以合同技术协议为准，产品如有升级，以升级后指标为准。本公司对产品规格书具有最终解释权。产品使用过程中有任何疑问，都请随时联系我们，我们会竭尽全力为您服务。
The data in this product specification sheet is for reference only. The specific indicators shall be subject to the technical agreement in the contract. If the product is upgraded, the upgraded indicators shall prevail. Our company has the final right to interpret the product specifications. If you have any questions during the use of the product, please feel free to contact us at any time. We will do our best to serve you.

外形尺寸/Dimension



接口定义/Port

引脚 / Pin	1	2
功能 / Feature	LD+	LD-

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