

LD PUMPED ALL-SOLID-STATE

MID—IR LASER AT1047nm

YN-W-1047

Product Description:

All solid state infrared laser is made features of ultra compact, long lifetime, low cost and easy operating, which is used in scientific experiment, optical instrument, optical sensor, measurement, communication, spectrum analysis, etc.

1	型号 Model No.	LSR1047H-Q
2	波长 Wavelength	1047nm
3	光斑模式 Spatial Mode	TEM00
4	单脉冲能量 Single pulse energy	50uJ (5~100uJ可定制)
5	脉冲宽度 Pulse width	15ns(10~20ns可定制)
6	峰值功率 Peak Power	500W~10KW
7	平均输出功率 Average Output power	50mw(单脉冲能量和重复频率两个相互影响)
8	重复频率 Repeat Rate	1KHZ (1~4KHZ可定制)
9	光束发散角 Beam Divergence (full angle)	<2mrad
10	功率稳定性 Power Stability	<±3% per 2 hrs
11	预热时间 Warm Up Time	<5 minutes
12	温度稳定方式 Temperature Stabilizing	TEC(热电制冷)
13	光束质量 Beam Quality	<2
14	瞄准稳定性 Pointing Stability	<0.05mrad
15	光斑大小 Beam Diameter	<3mm
16	光斑质量 (M2) /Beam Quality(M2)	<2
17	光束高度 Beam Divergence	29mm
18	最佳工作温度 Optimum Operating Temperature	5~45°C
19	储存温度 Storage Temperature	0~50°C
20	使用寿命 MTTF	10,000 hrs
21	激光器尺寸 Laser head dimensions	165 (L) x77 (W) x60 (H)mm3
22	配套电源 Power Supply	LASER-5A