



MPL-S-1064-LP

HIGH ENERGY LD PUMPED ALL-SOLID-STATE PASSIVELY LASER

All solid state passively laser has the features of high peak power and short pulse duration, which is widely used in scientific research, laser micromaching, laser radar ranging, environment monitoring, laser ultrasonic monitoring and LIBS (Laser Induced Breakdown Spectroscopy) etc.



SPECIFICATIONS

Wavelength (nm)		1064±1
Operating mode		Passively
Average power (mW) ¹		1-200
Single pulse energy (μJ)		70-200
Pulse duration (ns)		~0.5
Peak power (kW)		140-400
Rep. rate	Int ²	1Hz-1kHz
	Ext ³	1Hz-1kHz
Power stability (rms, 4 hours ±3°C)		<5%, <3%, <2%
Transverse mode		TEM ₀₀
M ²		<1.5
Beam diameter at the aperture (mm)		~2.0
Beam divergence, full angle (mrad)		<1.5
Warm-up time (minutes)		<5
Beam height from base plate (mm)		27.4
Operating temperature (°C)		10-35
Power supply (100-240VAC)		PSU-S-LP
Expected lifetime (hours)		>10000

LASER HEAD ⁴	HEATSINK (optional TC-02-FS)	POWER SUPPLY ⁵
<p style="text-align: center;">160(L)×70(W)×45(H) mm³, 0.95kg</p>	<p style="text-align: center;">195(L)×98.5(W)×64(H) mm³, 1.5kg</p>	<p style="text-align: center;">267.7(L)×155(W)×125(H) mm³, 2.0kg</p>

- 1 Average power (mW)= Single pulse energy (μJ)* Rep. rate(kHz)
- 2 The frequency is selectable from one or five discrete values within the range.
- 3 External triggered.
- 4 The laser head needs to be used on a heat sink with good heat dissipation.
- 5 Fixed output energy; RS232 control optional.