

MPL-N-1064/150~250uJ/1500~3000mW

LD PUMPED ALL-SOLID-STATE Q-SWITCHED LASER

Q-switched DPSS laser at 1064nm has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in laser marking on the diamond, metal, Steel, IC, Plastics, package, Logo, scientific research and etc.



SPECIFICATIONS

Wavelength (nm)		1064±1
Operating mode		Passively Q-switched
Max average power (mW)		1500~3000
Single pulse energy (μJ)		150~250
Power stability (over 4 hours)		<1%, <3%, <5%
Pulse duration (ns)		<2 3~5
Peak power (kW)		~100 20~50
Rep. rate (kHz)	Uncontrollable	5 -15kHz, Suitable for the applications of needing high peak power.
	Controllable	Specified One rep. rate, such as 1k, 2k, 3k, up to 10kHz, with stable laser pulses emitting (stable pulse energy, peak, duration and period). Different rep. rate in the range of 1kHz-10kHz can be obtained by input an external TTL signal.
Transverse mode		TEM ₀₀
M ² factor		<1.2
Beam divergence, full angle (mrad)		<1.5
Beam diameter at the aperture (mm)		~2.0
Operating temperature (°C)		10~35
Beam height from base plate (mm)		68.2
Power supply (90-264VAC)		PSU-H-LED PSU-H-FDA
Cooling system		Air
Expected lifetime (hours)		10000
Warranty period		1 year



MPL-N-1064	PSU-H-LED	PSU-H-FDA	PSU-N-OEM
240(L)×99(W)×94(H) mm ³ , 2.6 kg	268 (L) ×145(W) ×106 (H) mm ³ , 2.6 kg	238 (L) ×146(W) ×102 (H) mm ³ , 2.3 kg	215 (L) ×129 (W) ×122 (H) mm ³ , 2.145 kg