



Lasertack

New Laser Generation

MPL-N-1064/40~100μJ/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	
Average power (mW)		1500~3000	
Single pulse energy (μJ)		40~100	
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.	
Power stability (over 4 hours)		<1%, <3%, <5%	
Transverse mode		TEM ₀₀	
M ² factor		<1.2	
Beam divergence, full angle (mrad)		<1.5	
Beam diameter at the aperture (1/e ² ,mm)		~2.0	
Warm-up time (minutes)		<10	
Beam height from base plate (mm)		68.5	
Operating temperature (°C)		10~35	
Power supply (90-264VAC)		PSU-H-LED	PSU-H-FDA PSU-N-OEM
TTL / Analog modulation		TTL or Analog with 1Hz-1KHz 1KHz-10KHz, 10KHz-30KHz optional	
Expected lifetime (hours)		10000	
Warranty period		1 year	
Pilot light (optional)		<5mW@650nm	



MxL-N-1064	PSU-H-LED	PSU-H-FDA	PSU-N-OEM
<p>250(L) × 99(W) × 94(H) mm³, 2.6 kg</p>	<p>277(L) × 145(W) × 106(H) mm³, 2.6 kg</p>	<p>275(L) × 145(W) × 104(H) mm³, 2.3 kg</p>	<p>215(L) × 129(W) × 122(H) mm³, 2.1 kg</p>