

PDF DATA SHEET

EFORCEAUSTRALIA PTY.LTD ACN:159 503 401

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	
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	
Pilot light (optional)		<5mW@650nm	

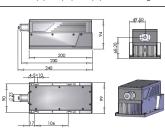






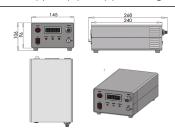


240(L)×99(W) ×94(H) mm³, 2. 6 kg



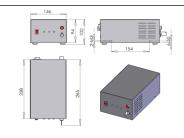


268 (L) ×145(W) ×106 (H) mm3, 2.6 kg





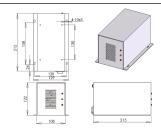
238 (L) ×146(W) ×102 (H) mm3, 2.3 kg



U-N-OEM



215 (L) ×129 (W) ×122 (H) mm3, 2.145 kg



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