

MPL-FL-1064-B/150~300uJ/150~300mW

LD PUMPED ALL-SOLID-STATE Q-switched LASER

All solid state Q-switched laser at 1064nm has the features of high peak power and short pulse duration, which is widely used in scientific research, laser micro-machining, laser radar ranging, environment monitoring, laser ultrasonic monitoring and LIBS (Laser Induced Breakdown Spectroscopy) etc.

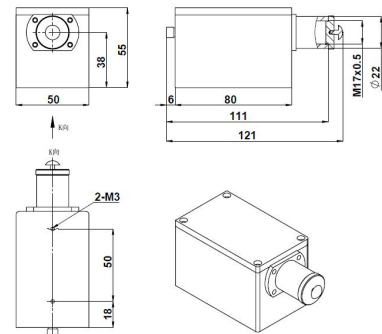
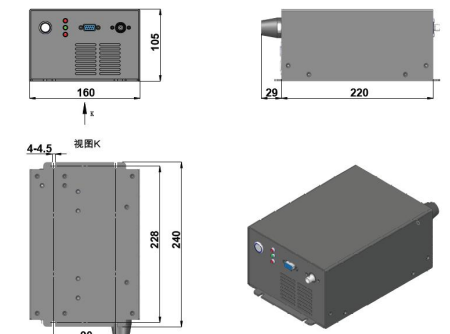


SPECIFICATIONS

Wavelength (nm)	1064±1			
Operating mode	Q-switched pulsed laser			
Single pulse energy (μJ)	~150	~180	~200	~300
Pulse duration (ns)	<1.0	<1.3	<1.5	<2.0
Peak power (kW)	~150	~115	~133	~150
Rep. rate (kHz)	1kHz			
Average power (mW)	~150	~180	~200	~300
Ave power stability (over 4 hours)	<1%, <3%, <5%			
Transverse mode	TEM ₀₀			
Warm-up time (minutes)	<10			
M ² factor	<1.5			
Beam divergence, full angle (mrad)	<2.0			
Beam diameter at the aperture (mm)	~2.0			
Beam height from base plate (mm)	38			
Operating temperature (°C)	10~35			
Power supply (90-264VAC)	PSU-IDP-FL			
Expected lifetime (hours)	10000			
Warranty	1 year			



Note: The laser head needs to be used on a heat sink with good heat dissipation.

MPL-FL-1064-B	PSU-IDP-FL
 <p>121(L)×50(W)×55(H) mm³, 0.7 kg</p>	 <p>249 (L)×160(W)×105 (H) mm³, 2.3 kg</p>