

MPL-FL-1064-A/ 15~130uJ/ 100~1000mW

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.

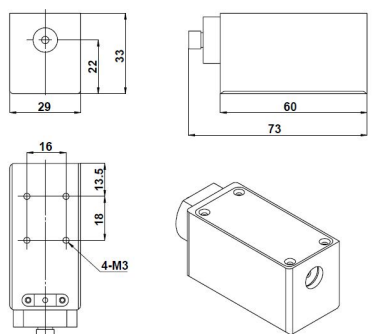
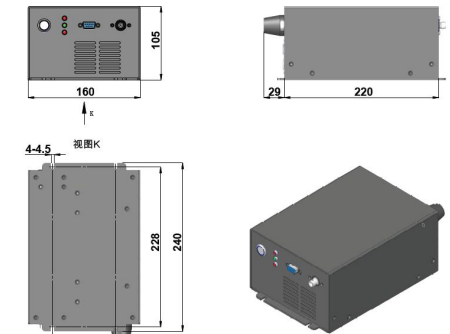


SPECIFICATIONS

Wavelength (nm)	1064±1	
Operating mode	Q-switched pulsed laser	
Single pulse energy (μJ)	~15	~130
Pulse duration (ns)	~5	~1.3
Peak power (kW)	~3	~100
Rep. rate (kHz)	~70kHz	1 kHz
Average power (mW)	~1000	~100
Ave power stability (over 4 hours)	<1%, <3%, <5%	
Transverse mode	TEM ₀₀	
Warm-up time (minutes)	<10	
M ² factor	<1.3	
Beam divergence, full angle (mrad)	<5 (can be customized)	
Beam diameter at the aperture (mm)	~0.6 (can be customized)	
Beam height from base plate (mm)	22	
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-A	PSU-IDP-FL
 <p>73(L)×29(W)×33(H) mm³, 0.6 kg</p>	 <p>249 (L)×160(W)×105(H) mm³, 2.3 kg</p>



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DATA SHEET