

EL-1064/5000mW

EL SERIES 1064NM LASER SOURCE FOR LASER MARKING


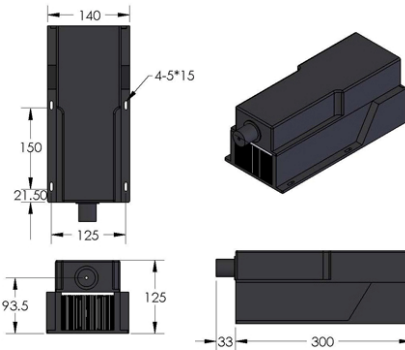

EL-1064nm series laser has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in laser marking, engraving and so on.



SPECIFICATIONS

Wavelength (nm)	1064±1	
Output average power (mW)	5000	
Operating mode	Pulsed	
Single pulse energy (μJ)	300	
Pulse duration (ns)	~10	
Peak power (kW)	30	
Rep. rate (kHz)	Uncontrollable	Undefined rep. rate among 20k-35kHz and unstable laser pulse emitting. Suitable for the applications only needing high peak power pulses.
Average power (mW)	Average power (mW) = Single pulse energy (μJ) * Rep. rate (kHz)	
Ave power stability (over 4 hours)	<3%, <5%	
Transverse mode	Near TEM ₀₀	
Warm-up time (minutes)	<10	
M ² factor	<2.0	
Beam divergence, full angle (mrad)	<2.0	
Beam diameter at the aperture (mm)	~5.0	
Beam height from base plate (mm)	93.5	
Operating temperature (°C)	10~35	
Power supply (90-264VAC)	PSU-W-LED	
Expected lifetime (hours)	10000	
Warranty period	1 year	
Pilot light	<5mW@635nm	



EL-1064	Dimension	PSU-W-LED	Dimension
 <p>333(L)×140(W)×125(H) mm³, 6.1 kg</p>		 <p>300 (L) ×162(W) ×134(H) mm³, 5.2 kg</p>	