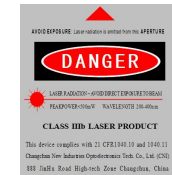




OEM-P series

LD PUMPED ALL-SOLID-STATE Q-SWITCHED LASER

All solid state Q-switched laser at 1064nm has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in industry (marking on the diamond or stone), teaching of nonlinear optics, experiments of generating 355 nm, or 266nm laser, fiber communication, etc.



SPECIFICATIONS

Wavelength (nm)		1064±1			
Operating mode		Q-switched pulsed laser			
Max average power (mW)*		1-400			
Single pulse energy (μJ)		1-20			
Pulse duration (ns)		1-5			
Peak power (kW)		1-20			
Rep. rate (kHz)	INT FIXED (One internal fixed rep.rate)	1Hz-4kHz (optional)			
	EXT TRIG (External triggered)	1Hz-4kHz			
Ave power stability (over 4 hours)		<5%, <3%, <1%			
Transverse mode		TEM ₀₀			
M ² factor		<1.5			
Beam diameter at the aperture (mm)	<0.8 (No Collimation system)	<1.5	<2.2	<3	
Beam divergence, full angle (mrad)	<10 (No Collimation system)	<1.5	<1.0	<0.75	
Warm-up time (minutes)		<5			
Beam height from base plate (mm)		14			
Operating temperature (°C)		10~35			
Power supply (90-264VAC)		PSU-III-OEM-97/ PSU-P-OEM			
Expected lifetime (hours)		10000			
Warranty		1 year			

Average power (mW)= Single pulse energy (μJ) Rep. rate(kHz)

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

LASER HEAD	POWER SUPPLY (PSU-III-OEM-97)	POWER SUPPLY (PSU-P-OEM)
<p style="text-align: center;">102(L)×30(W) ×25(H) mm³, 0.112 kg</p>	<p style="text-align: center;">94(L)×75(W)×49(H)mm³, 0.23kg</p>	<p style="text-align: center;">56(L)×55(W)×19(H)mm³, 0.15kg</p>