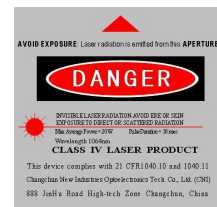


HPL-1064-PB/500Hz/20-500mJ

HIGH ENERGY DIODE PUMPED ALL-SOLID-STATE Q-SWITCHED LASER

High energy diode pumped all solid state Q-switched laser at 1064nm has the features of high single pulse energy, short pulse duration, and high peak power, which is widely used in PIV, LIF, LIBS, ICP-MS scientific research, laser processing, military, and so on.



SPECIFICATIONS

Wavelength (nm)	1064±1		
Operating mode	Electro-optic Q-switched		
Average power (W)	10W (10W@500Hz)	40W (40W@500Hz)	250W (250W@500Hz)
Single pulse energy (mJ)	20(20mJ @500Hz)	80(80mJ @500Hz)	500(500mJ @500Hz)
Rep. rate (Hz)	500	500	500
Pulse duration (ns)	~10 @500Hz,10W.	~10 @500Hz,80W.	~10 @500Hz,250W.
Peak power (MW)	2MW @500Hz	8MW @500Hz	50MW @500Hz
Beam divergence, full angle (mrad)	<2	<1	<1
Beam diameter at the aperture (1/e ² ,mm)	~4	~8	~20
Ave power stability (over 4 hours)	<3%, <5%		
Warm-up time (minutes)	<10		
Beam height from base plate (mm)	On request		
Cooled method	Water cooled		
Operating temperature (°C)	15~35		
Power supply (220/110VAC)	On request		
Expected lifetime (hours)	10000		
Warranty period	1 year		