

长春新产业光电技术有限公司

Changchun New Industries Optoelectronics Tech, Co., Ltd,

DATA SHEET

DPS-1064-Subnano/1mJ

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 Lidar, medical treatment, nonlinear optics, scientific research, and so on.



SPECIFICATIONS		
Wavelength (nm)	1064±1]
Operating mode	Q-switched: PM (Passive Modulation)	1
Single pulse energy (mJ)	1	
Pulse duration (ns)	<1	
Rep. rate (kHz)	1, EXT	
Energy stability (rms)	<4%, <5%	
Beam divergence, full angle (mrad)	<3	7/15
Beam diameter (mm)	~3	
Warm-up time (minutes)	<15	
Beam height from base plate (mm)	13.5	AVOID EXPOSURE: Laser radiation is emith
Cooled method	Conduction cooled	DANGE
Operating temperature (°C)	15~30	LASER RADIATION-AVOID DIRE
Power supply (24V DC)	PSU-DPS-Subnano	Single Pulse Energy ≤30mJ Pulse Wavelength 400-700nm
Expected lifetime (pulses)	10 %	CLASS IIIb LASER PRO This device complies with 21 CFR10
Warranty period	l year	Changchan New Industries Optoelectroni No.888 Jinhu Road, High-tech Zone,

