213nm Nd:YVO_4 q-switched picosecond laser MB Microchip laser system

DESCRIPTION

213nm laser is the laser with shortest wavelength among Crylink's products. It is a deep uv laser, which is based on Nd:YVO_4. 550ps and 600ps are optional.

Our 213nm laser has narrow laser pulse width and high pulse repetition frequency. Compact laser head makes 213nm laser integrate easily. Our 213nm laser is compatible with internal and external triggers.

Our 213nm laser can replace ArF excimer laser in lots of areas. It performs well in industry, like laser ablation and marking. Our 213nm laser can also be used in some precision field like fabrication of fiber Bragg grating, photolithography process and so on.

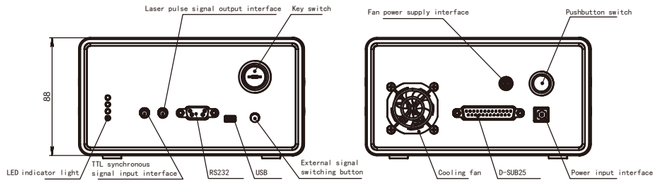
FEATURES

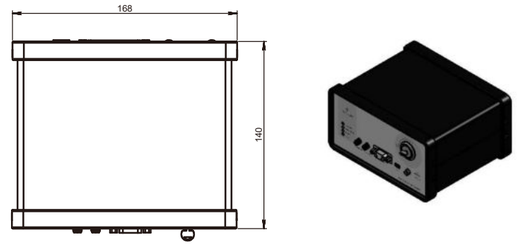
- Pulse energy up to 400μJ
- Fully sealed design, high reliability
- Beam mode is TEM
- High polarization direction stability

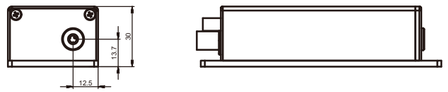
APPLICATIONS

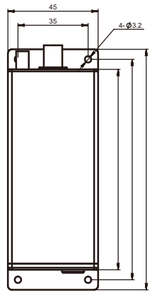
- Seed source
- Laser ultrasonic testin
- Optical parametric oscillation pump source
- Micromachining
- Laser ionization mass spectrometry
- Laser induced breakdown spectroscopy

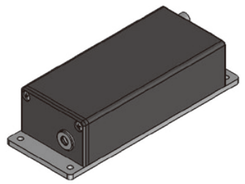
OUTLINE SIZE(mm)











www.dpssl-crylink.com
sales@crylink.com
+86-025-68790685
Building A1, No. 1 Hengyuan Road, Qixia District, Nanjing

PARAMETERS

Model		CL213-1KHz-4μJ-MB001
Optical parameter	Wavelength(nm)	213
	Repetition frequency (KHz)	1*
	Average power(mW)	4
	Output energy(uJ)	4
	Pulse width (ps)	500
	Power stability (8h)	±3%
	Beam mode	TEM_{00}
	Full-angle divergence angle Typ. (Mrad) level @1/e^2	4
	Vertical @1/e^2	4
	Polarization characteristics	＞100:1
System parameters	System power consumption（W）	≤25
	power input	100-240 VAC,50/60Hz
	Control interface	RS232、USB
	Power supply size (W×H×L, mm)	168×88×140
	Laser head size (W×H×L, mm)	45×30×120
	Working temperature (℃)	15-35
	Storage temperature (℃)	0-60

1. * the light outlet of the laser head is side outlet. Please refer to the mechanical dimension drawing for details.
2. the built-in beam expanding function can be customized to meet the requirements of small divergence angle (less than 2mrad).