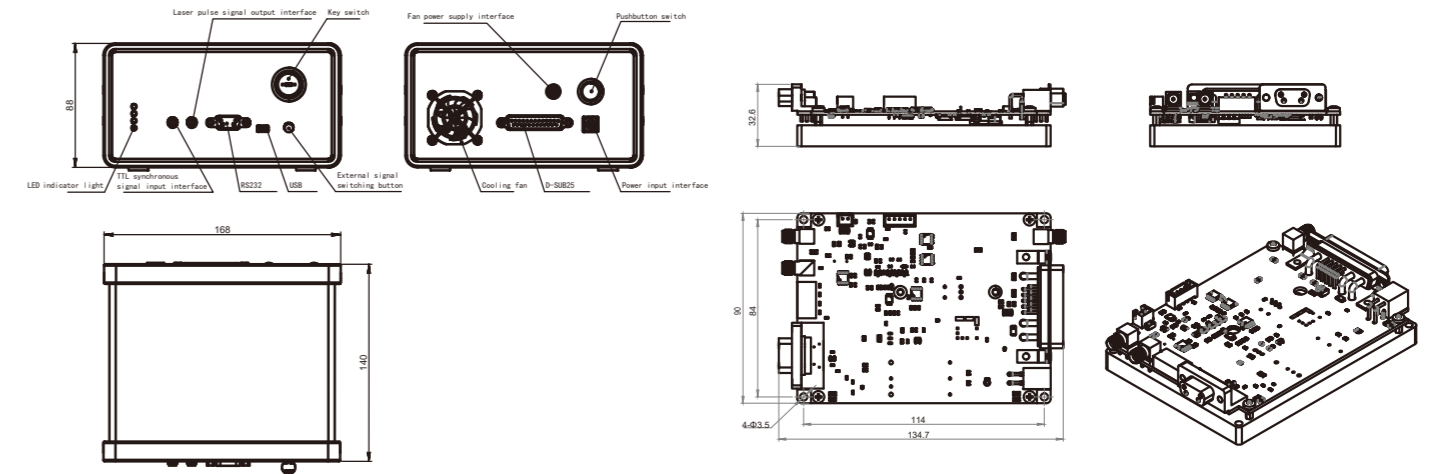


266nm Nd:YAG q-switched picosecond laser MA Microchip laser system



OUTLINE SIZE(mm)



DESCRIPTION

266nm laser is one of the series of solid state laser provided by Crylink. It is based on the Nd:YAG crystal. Crylink especially recommends our 266nm picosecond laser including of 2000ps, 550ps, 750ps and 350ps ones. If you need others, you can consult our sale staffs.

Our 266nm laser has pure and stable pulse. Thus, it has very high quality in pulse beam. Besides, it is a compact laser which is easy in install and integrate. Though our 266nm is a microchip laser which has small size and light weight, it is still a high energy laser.

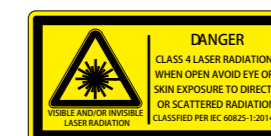
Our 266nm laser has wide applications in the various walks of life. It can be used in micromachining, time resolved Raman spectroscopy, laser ultrasound, laser induced breakdown spectroscopy and so on.

FEATURES

- Pulse width up to 1ns
- Pulse energy up to 200μJ
- Beam mode is TEM₀₀
- Repetition frequency up to 20kHz
- Fully sealed design, high reliability

APPLICATIONS

- Lidar
- Laser Ranging
- Atmospheric monitoring
- Optical metrology
- Laser ionization mass spectrometry
- Biomedical Science



PARAMETERS

| Model | CL266- 1kHz- 10μJ- MA001 | CL266- 5kHz- 8μJ- MA002 | CL266- 10kHz- 3μJ- MA003 | CL266- 20kHz- 2μJ- MA004 | |
|-------------------|---|-------------------------|--------------------------|--------------------------|----------------------|
| Optical parameter | Wavelength (nm) | 266 | 266 | 266 | 266 |
| | Repetition frequency (kHz) | 1* | 5* | 10* | 20* |
| | Average power (mW) | 10 | 40 | 30 | 40 |
| | Output energy (μJ) | 10 | 8 | 3 | 2 |
| | Pulse width (ps) | 1500 | 1200 | 1200 | 1200 |
| | Power stability (8h) | ±3% | ±3% | ±3% | ±3% |
| | Beam mode | TEM ₀₀ | TEM ₀₀ | TEM ₀₀ | TEM ₀₀ |
| | Full-angle divergence angle Typ. (Mrad) level @1/e ² | 5 | 5 | 5 | 5 |
| | Vertical @1/e ² | 5 | 5 | 5 | 5 |
| | Polarization characteristics | > 100:1 | > 100:1 | > 100:1 | > 100:1 |
| System parameters | System power consumption (W) | ≤ 35 | ≤ 35 | ≤ 35 | ≤ 35 |
| | Power input | 100-240 VAC, 50/60Hz | 100-240 VAC, 50/60Hz | 100-240 VAC, 50/60Hz | 100-240 VAC, 50/60Hz |
| | Control interface | RS232, USB | RS232, USB | RS232, USB | RS232, USB |
| | Power supply size (W×H×L, mm) | 168×88×140 | 168×88×140 | 168×88×140 | 168×88×140 |
| | Laser head size (W×H×L, mm) | 45×30×120 | 45×30×120 | 45×30×120 | 45×30×120 |
| | Working temperature (°C) | 15-35 | 15-35 | 15-35 | 15-35 |
| | Storage temperature (°C) | 0-60 | 0-60 | 0-60 | 0-60 |

1.*The light outlet of the laser head is side outlet. See the mechanical dimension drawing for details

2.Customized internal beam expansion function to meet the requirements of small divergence angle (less than 2mrad)

