

PS-D-1064/532/355/266-Air



PICOSECOND PULSED LASER AT

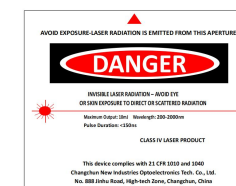
1064/532/355/266nm

Picosecond pulsed laser is characterized by short pulse duration and good beam quality, which is used in glass marking, sapphire marking, ceramic cutting, semiconductor cutting, solar panel coating, film scribing, etc.

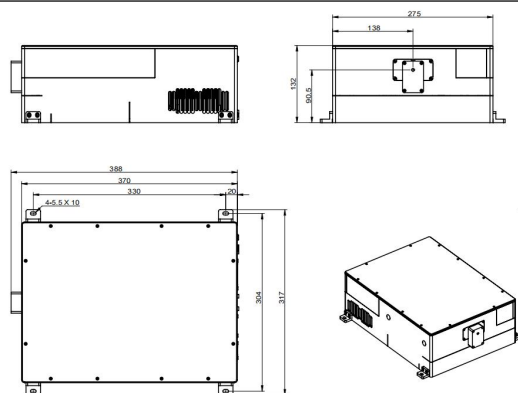


SPECIFICATIONS

|                                                       |                                       |             |             |            |
|-------------------------------------------------------|---------------------------------------|-------------|-------------|------------|
| Wavelength (nm)                                       | 1064±1                                | 532±1       | 355±1       | 266±1      |
| Output power (mW)                                     | 1-7000@1MHz                           | 1-3000@1MHz | 1-1000@1MHz | 1-100@1MHz |
| Rep.rate <sup>1</sup>                                 | 1kHz-10MHz                            |             |             |            |
| Pulse duration (ps) <sup>2</sup>                      | ~10                                   |             |             |            |
| Ave power stability (rms, over 4 hours)               | <3%, <2%, <1%                         |             |             |            |
| Transverse mode                                       | TEM <sub>00</sub>                     |             |             |            |
| Beam Circularity (%) <sup>3</sup>                     | >90                                   |             |             |            |
| Beam divergence, full angle (mrad)                    | <3                                    |             |             |            |
| Beam diameter at the aperture (1/e <sup>2</sup> , mm) | ~1.2                                  |             |             |            |
| M <sup>2</sup>                                        | <1.2                                  |             |             |            |
| Polarization ratio                                    | >100:1 Horizontal (Vertical optional) |             |             |            |
| Beam height from base plate (mm)                      | 90.5                                  |             |             |            |
| Warm-up time (minutes)                                | ≥30                                   |             |             |            |
| Cooling method                                        | Air cooled                            |             |             |            |
| Operating temperature (°C)                            | 20-30                                 |             |             |            |
| Operating voltage (VDC)                               | 24V/20.9A                             |             |             |            |
| Expected lifetime (hours)                             | >10000                                |             |             |            |

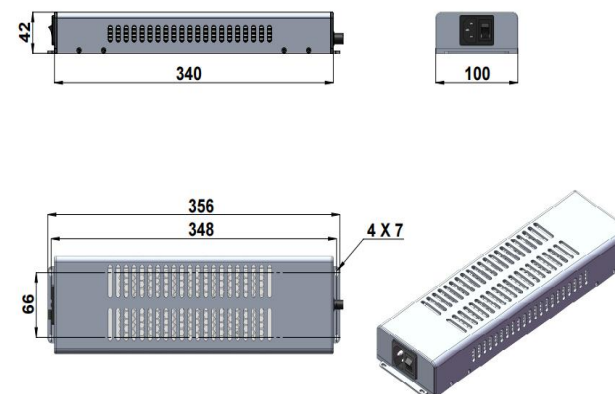


LASER HEAD (Driver Integrated)



370 (L) × 317 (W) × 132 (H) mm<sup>3</sup>, 20 kg

POWER SUPPLY (100-240VAC)



DC24V 20.9A; 356(L) × 100 (W) × 42 (H) mm<sup>3</sup>, 1.6kg

- 1 Other rep.rate range available on request.
- 2 Other pulse width available on request.
- 3 Better beam circularity available on request.

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