

## Mini-E-PA-355/1W/40uJ



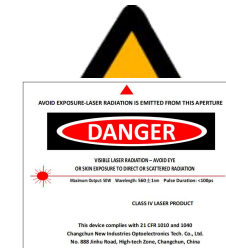
## Mini-E SERIES 355nm LASER SOURCE

Mini-E-355nm series laser has the features of high peak power, high repetition rate, and short pulse duration, which is used in scientific research, biology, instrumentation, sub-surface engraving and so on.

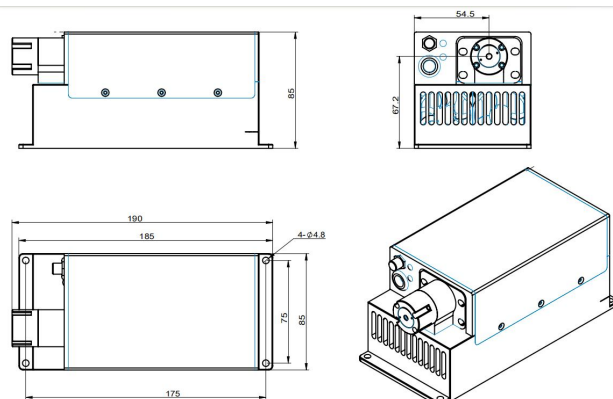


### SPECIFICATIONS

|                                                       |                   |
|-------------------------------------------------------|-------------------|
| Wavelength (nm)                                       | 355±1             |
| Operating mode                                        | Passively         |
| Average power (W)                                     | ≥1                |
| Single pulse energy (μJ)                              | >40               |
| Rep. rate <sup>1</sup>                                | ~20kHz            |
| Pulse duration (ns) <sup>2</sup>                      | ~4                |
| Peak power (kW)                                       | ~15               |
| Power stability (rms, 4 hours ± 3°C)                  | <3%, <2%, <1%     |
| Transverse mode                                       | TEM <sub>00</sub> |
| Beam divergence, full angle (mrad)                    | <3.5              |
| Beam diameter at the aperture (1/e <sup>2</sup> , mm) | ~2.0              |
| M <sup>2</sup>                                        | <1.2              |
| Beam height from base plate (mm)                      | 67.2              |
| Warm-up time (minutes)                                | <15               |
| Operating temperature (°C)                            | 10-35             |
| Power supply (100-240VAC)                             | PSU-12-P          |
| Expected lifetime (hours)                             | >10000            |

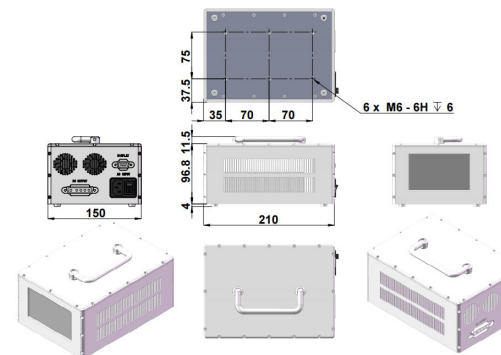


### LASER HEAD (Driver Integrated)



190 (L) × 85 (W) × 85 (H) mm<sup>3</sup>, 2.75 kg

### POWER SUPPLY



210 (L) × 150 (W) × 112.5 (H) mm<sup>3</sup>, 2.75 kg

1 One fixed value ~20kHz. 2 Fixed Pulse width.

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