

### MGL-N-523.5/1-800mW



### LD PUMPED ALL-SOLID-STATE GREEN LASER

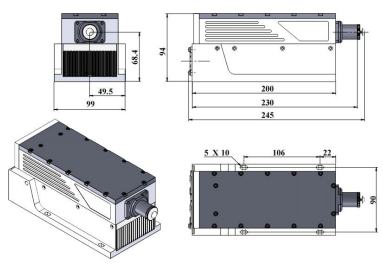
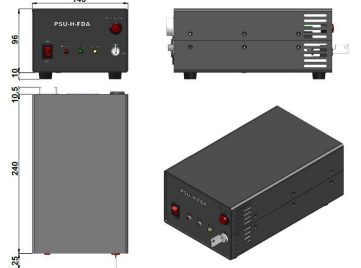
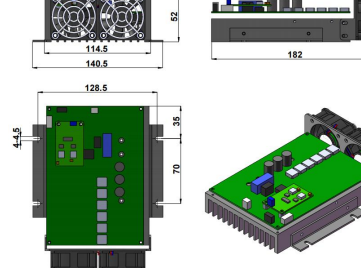
All solid state 523.5nm green laser is made features of ultra compact, long lifetime and easy operating, which is widely used in collimation, laser medical treatment, scientific experiment, optical instrument, etc.



#### SPECIFICATIONS

|                                                                |                                                                    |
|----------------------------------------------------------------|--------------------------------------------------------------------|
| Wavelength (nm)                                                | 523.5±1                                                            |
| Operating mode                                                 | CW                                                                 |
| Output power (mW) <sup>1</sup>                                 | 1-800                                                              |
| Power Stability (rms, 4 hours ± 3°C)                           | <5%, <3%, (<2% optional)                                           |
| Transverse mode                                                | TEM <sub>00</sub>                                                  |
| M <sup>2</sup>                                                 | 3-5                                                                |
| Beam divergence, full angle (mrad)                             | <1.5                                                               |
| Beam diameter at the aperture (1/e <sup>2</sup> , mm)          | ~3.0                                                               |
| Warm-up time (minutes)                                         | <10                                                                |
| Pointing Stability(urad) (over 2 hours after warm-up and ±3°C) | <50                                                                |
| Pointing Stability Over Temperature (urad/°C)                  | <20                                                                |
| Polarization ratio                                             | >50:1(100:1 optional) , Horizontal(Vertical optional)              |
| Beam height from base plate (mm)                               | 68.4                                                               |
| Operating temperature (°C)                                     | 10-35                                                              |
| Power supply (100-240VAC)                                      | PSU-H-FDA/PSU-H-LED/PSU-H-OEM                                      |
| Modulation option                                              | DC-1kHz, 1kHz-10kHz, 10kHz-30kHz optional; TTL and Analog optional |
| Expected lifetime (hours)                                      | >10000                                                             |



| LASER HEAD                                                                                                                                 | POWER SUPPLY (PSU-H-FDA) <sup>2</sup>                                                                                                           | POWER SUPPLY (PSU-H-LED) <sup>3</sup>                                                                                                            | DRIVER (PSU-H-OEM)                                                                                                                               |
|--------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>245 (L) × 99 (W) × 94 (H) mm<sup>3</sup>, 2.6 kg</p> |  <p>275.5 (L) × 145 (W) × 106 (H) mm<sup>3</sup>, 2.5 kg</p> |  <p>275.5 (L) × 145 (W) × 106 (H) mm<sup>3</sup>, 2.5 kg</p> |  <p>182 (L) × 140.5 (W) × 52 (H) mm<sup>3</sup>, 0.85 kg</p> |

1 Any power level can be selected in this range.

2 Fixed output power.

3 Output power adjustable 10-100%.

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