



MGL-FN-543/1~1000mW

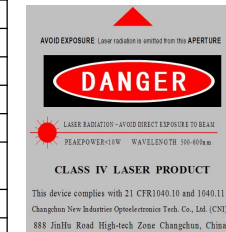


**LD PUMPED ALL-SOLID-STATE GREEN LASER AT 543nm**

All solid state 543nm green laser is made features of high output power stability, good beam profile, ultra compact, long lifetime, low cost and easy operating, which is widely used in collimation, laser medical treatment, scientific experiment, optical instrument, etc.

**SPECIFICATIONS**

|   |   |                        |
|---|---|------------------------|
| Wavelength (nm)                                       | 543±1   |                        |
| Operating mode  | CW  |                        |
| Output power (mW)                                     | >1, 5, 10, 20, ... , 500  | >500,600...1000        |
| Power stability (rms, over 4 hours)                   | <1%, <2%, <3%,  |                        |
| Transverse mode                                       | TEM <sub>00</sub>   | Near TEM <sub>00</sub> |
| M <sup>2</sup> factor                                 | <1.2  |                        |
| Beam diameter at the aperture (1/e <sup>2</sup> , mm) | <2.0  |                        |
| Beam divergence, full angle (mrad)                    | <1.5  |                        |
| Beam height from base plate (mm)                      | 27.4  |                        |
| Polarization ratio                                    | >100:1 Horizontal±5 degree (Vertical Optional)                              |                        |
| Warm-up time (minutes)                                | <10   |                        |
| Pointing stability after warm-up (mrad)               | <0.05   |                        |
| Operating temperature (°C)                            | 10~35   |                        |
| Power supply (90-264VAC)                              | PSU-H-LED/PSU-H-FDA/PSU-SR  |                        |
| Modulation option                                     | TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation option |                        |
| Expected lifetime (hours)                             | 10000   |                        |
| Warranty  | 1 year  |                        |



Note: The laser head needs to be used on a heat sink with good heat dissipation.



| MGL-FN-543   | PSU-H-LED  | PSU-H-FDA  | PSU-SR   |
|--|--|--|--|
| <p>197(L) × 70(W) × 50(H) mm<sup>3</sup>, 1.5 kg</p> | <p>277 (L) × 145(W) × 106 (H) mm<sup>3</sup>, 2.6 kg</p> | <p>275(L) × 145(W) × 104(H) mm<sup>3</sup>, 2.3 kg</p> | <p>188(L) × 145(W) × 83(H) mm<sup>3</sup>, 1.2kg</p> |