

### MGL-S-532/1~400mW

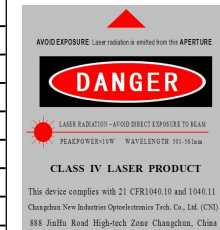
## LD PUMPED ALL-SOLID-STATE GREEN LASER

All solid state 532nm green laser is made features of high output power stability, good beam profile, ultra compact, small size, wide operating temperature, good sealing, long lifetime, low cost and easy operating, working under the pressure of 0.02kPa, which is widely used in collimation, laser medical treatment, scientific experiment, optical instrument, laser display, laser lighting show, etc.



### SPECIFICATIONS

| Model  | MGL-S-532-A(Harsh condition)  | MGL-S-532-B (Normal condition) |             |                |
|--|---|--------------------------------|-------------|----------------|
| Wavelength (nm)                                      | 532±1   |                                |             |                |
| Operating mode                                       | CW  |                                |             |                |
| Output power (mW)                                    | >1,5,10,20,...,400  |                                |             |                |
| Power stability (rms, over 4 hours)                  | <1%,<3%,<5%   |                                |             |                |
| Transverse mode                                      | TEM <sub>00</sub>   |                                |             |                |
| M <sup>2</sup> factor                                | <1.2  |                                |             |                |
| Beam diameter at the aperture( 1/e <sup>2</sup> ,mm) | 0.7±0.05  |                                |             |                |
| Beam divergence, full angle (mrad)                   | <1.5  |                                |             |                |
| Polarization ratio                                   | >100:1 Horizontal±5 degree (Vertical Optional)                              |                                |             |                |
| Pointing stability after warm-up (mrad)              | <0.05   |                                |             |                |
| Pointing stability Over Temp. (μrad/°C)              | <8  |                                |             |                |
| Warm-up time (minutes)                               | <5  |                                |             |                |
| Beam height from base plate (mm)                     | 19  |                                |             |                |
| Power Consumption(W)                                 | <30   |                                |             |                |
| Shock Tolerance(6ms)                                 | 7g laterally,15g vertically   |                                |             |                |
| IP Rating  | IP67  | IP65                           |             |                |
| Power supply(90-264VAC or 5VDC)                      | PSU-H-FDA   | PSU-III-LED                    | PSU-III-FDA | PSU-III-OEM-97 |
| Operating temperature (°C)                           | 0-60  | 10-35                          |             |                |
| Max. Heat Dissipation of Head(W)                     | 10W@50°C  | 4W@25°C                        |             |                |
| Modulation   | TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation option |                                |             |                |
| Expected lifetime (hours)                            | 10000   |                                |             |                |
| Warranty   | 1 year  |                                |             |                |



| MxL-S-532   | PSU-III-LED  | PSU-III-FDA  | PSU-III-OEM-97                                     |
|---|--|--|--|
| <p>100 (L) × 50 (W) × 38 (H) mm<sup>3</sup>, 0.41kg</p> | <p>153 (L) × 155(W) × 92 (H) mm<sup>3</sup>, 1.5kg</p> | <p>133 (L) × 130(W) × 62.2 (H) mm<sup>3</sup>, 1.2kg</p> | <p>94(L) × 75(W) × 49(H)mm<sup>3</sup>, 0.23kg</p> |