

# Opto Engine LLC

## Data sheet

Rev. 1609

MGL-F-532/1500~2500mW



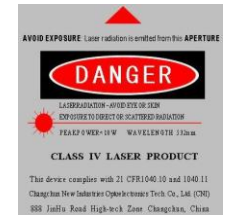
### LD PUMPED ALL-SOLID-STATE GREEN LASER

All solid state 532nm 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, laser display, laser lighting show, etc.



### SPECIFICATIONS

|                                                      |                                                              |        |
|------------------------------------------------------|--------------------------------------------------------------|--------|
| Wavelength (nm)                                      | 532±1                                                        |        |
| Operating mode                                       | CW                                                           |        |
| Output power (mW)                                    | >1500, 1600, 1700, ..., 2500                                 | ~1500  |
| Power stability (rms, over 4 hours)                  | <1%, <3%, <5%, <10%                                          |        |
| Transverse mode                                      | TEM <sub>00</sub>                                            |        |
| Spectral linewidth (nm)                              | <0.1                                                         | <0.003 |
| M <sup>2</sup> factor                                | <1.1                                                         |        |
| Beam divergence, full angle (mrad)                   | <1.2                                                         |        |
| Beam diameter at the aperture (1/e <sup>2</sup> ,mm) | ~2.0                                                         |        |
| Warm-up time (minutes)                               | <10                                                          |        |
| Polarization ratio                                   | >100:1                                                       |        |
| Pointing stability after warm-up (mrad)              | <0.05                                                        |        |
| Beam height from base plate (mm)                     | 45                                                           |        |
| Operating temperature (°C)                           | 10~35                                                        |        |
| Power supply (90-264VAC)                             | PSU-H-LED/PSU-H-FDA/PSU-H-OEM                                |        |
| TTL / Analog modulation                              | TTL or Analog with 1Hz-1KHz 1KHz-10KHz, 10KHz-30KHz optional |        |
| Expected lifetime (hours)                            | 10000                                                        |        |
| Warranty period                                      | 1 year                                                       |        |



| MxL-F-532                                        | PSU-H-LED                                              | PSU-H-FDA                                              | PSU-H-OEM                                             |
|--------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|-------------------------------------------------------|
| <p>214(L)×88(W)×74(H) mm<sup>3</sup>, 1.6 kg</p> | <p>277 (L) ×145(W) ×106 (H) mm<sup>3</sup>, 2.6 kg</p> | <p>275 (L) ×146(W) ×104 (H) mm<sup>3</sup>, 2.4 kg</p> | <p>238 (L) ×146(W) ×94 (H) mm<sup>3</sup>, 2.2 kg</p> |