

# Opto Engine LLC

## Data sheet

Rev. 2102

MRL-FN-607/1~400mW



### LD PUMPED ALL-SOLID-STATE RED LASER AT 607nm

DPSS red laser at 607nm is made features of ultra compact, long lifetime and easy operating, which is widely used in measurement, spectrum analysis as the substitute for He-Ne lasers.



### SPECIFICATIONS

|   |  |                |
|---|--|----------------|
| Wavelength (nm)                                       | 607±3  |                |
| Operating mode  | CW   |                |
| Output power (mW)                                     | >1, 10, 20, ..., 200                           | >200, ..., 400 |
| Power stability (rms, over 4 hours)                   | <3%, <5%, <10%                                 | <5%, <10%      |
| Transverse mode                                       | 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   |                |
| Polarization ratio                                    | >100:1 Horizontal±5 degree (Vertical Optional) |                |
| Warm-up time (minutes)                                | <10  |                |
| Beam height from base plate (mm)                      | 27.4   |                |
| Operating temperature (°C)                            | 10~35  |                |
| Power supply (90-264VAC)                              | PSU-H-LED/PSU-H-FDA/PSU-SR                     |                |
| Expected lifetime (hours)                             | 10000  |                |
| Warranty  | 1 year   |                |



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

| MRL-FN-607                                      | PSU-H-LED  | PSU-H-FDA  | PSU-SR   |
|---|--|--|--|
| <p>197(L)×70(W)×50(H) mm<sup>3</sup>, 1.5kg</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>, 2kg</p> |