

Opto Engine LLC

Data sheet

Rev. 2102

MGL-F-577/1-600mW



LD PUMPED ALL-SOLID-STATE YELLOW LASER

All solid state 577nm yellow laser is made features of ultra compact, long lifetime, cost-effectiveness and easy operating, which is widely used in collimation, laser medical treatment, scientific experiment, optical instrument, laser display, laser lighting show, etc.



SPECIFICATIONS

| | | |
|--|--|----------------|
| Central wavelength (nm) | 577±2 | |
| Operating mode | CW | |
| Output power (mW) | >10, 20, 50, ..., 300 | >300, ..., 600 |
| Power stability (rms, over 4 hours) | <1%, <2%, <3% | <2%, <3%, <5% |
| Transverse mode | TEM ₀₀ | Multimode |
| M ² factor | <1.5 | <3 |
| Beam diameter at the aperture (1/e ² ,mm) | ~3.0 | |
| Beam divergence, full angle (mrad) | <1.5 | |
| Beam height from base plate (mm) | 45 | |
| 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 | |
| Expected lifetime (hours) | 10000 | |
| Warranty period | 1 year | |



| MGL-F-577 | PSU-H-LED | PSU-H-FDA | PSU-SR |
|---|---|---|--|
| <p>211 (L) × 88 (W) × 74 (H) mm³, 1.6 kg</p> | <p>277 (L) × 145 (W) × 106 (H) mm³, 2.6 kg</p> | <p>275 (L) × 145 (W) × 104 (H) mm³, 2.3 kg</p> | <p>188(L) × 145(W) × 83(H) mm³, 2kg</p> |