

# MLL-H-800/1-2500mW



## LOW NOISE INFRARED DIODE LASER AT 800nm

It features ultra compact design, long lifetime, cost-effectiveness and easy operation. They are used in medical imaging, flow cytometry, DNA sequencing, etc.



### SPECIFICATIONS

|                                      |                                                                    |
|--------------------------------------|--------------------------------------------------------------------|
| Central wavelength (nm)              | 800±5                                                              |
| Operating mode                       | CW                                                                 |
| Output power (mW) <sup>1</sup>       | 1-2500                                                             |
| Power stability (rms, 4 hours ± 3°C) | <2%, <1%, <0.5%                                                    |
| Transverse mode                      | Multimode                                                          |
| Noise of amplitude (rms, 20Hz-20MHz) | <1%, <0.5%                                                         |
| Beam diameter at the aperture (mm)   | ~5×8                                                               |
| Beam divergence, full angle (mrad)   | <3.0                                                               |
| Warm-up time (minutes)               | <5                                                                 |
| Cooled method                        | Air cooled                                                         |
| Beam height from base plate (mm)     | 29                                                                 |
| Operating temperature (°C)           | 10-35                                                              |
| Power supply (100-240VAC)            | PSU-H-FDA/PSU-H-LED                                                |
| Modulation option                    | DC-1kHz, 1kHz-10kHz, 10kHz-30kHz optional; TTL and Analog optional |
| Expected lifetime (hours)            | >10000                                                             |



| LASER HEAD                                                                                                                                | POWER SUPPLY (PSU-H-FDA) <sup>2</sup>                                                                                                        | POWER SUPPLY (PSU-H-LED) <sup>3</sup>                                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>160 (L) × 77 (W) × 60 (H) mm<sup>3</sup>, 0.9kg</p> |  <p>275 (L) × 145 (W) × 104 (H) mm<sup>3</sup>, 2.1kg</p> |  <p>277 (L) × 145 (W) × 106 (H) mm<sup>3</sup>, 2.3kg</p> |

1 Any power level can be selected in this range.

2 Fixed output power; Modulation up to 30kHz.

3 Output power adjustable 10-100%; RS232 control optional; Modulation up to 30kHz.