



MLL-III-1470/1~500mW



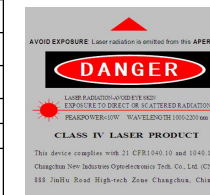
### LOW NOISE INFRARED DIODE LASER AT 1470nm

It features ultra compact design, long lifetime, cost-effectiveness and easy operation. They are used in measurement, communication, spectrum analysis, etc.



#### SPECIFICATIONS

|   |   |  |
|---|---|--|
| Wavelength (nm)                         | 1470±20   |  |
| Operating mode                          | CW  |  |
| Output power (mW)                       | >1, 100, 200, ..., 500  |  |
| Power stability (rms, over 4 hours)     | <3%, <2%, <1%   |  |
| Transverse mode                         | Multimode   |  |
| Noise of amplitude (rms, 1Hz~20MHz)     | <1%   |  |
| Dimensions of beam at the aperture (mm) | ~5×8  |  |
| Beam divergence, full angle (mrad)      | <3.0  |  |
| Warm-up time (minutes)                  | <5  |  |
| Beam height from base plate (mm)        | 24.8  |  |
| Operating temperature (°C)              | 10~35   |  |
| Power supply                            | 85-264VAC   | PSU-III-LED/ PSU-III-FDA (Frequency for 1Hz-30kHz) |
|   | 100-240VAC  | PSU-A-D (Frequency for 30kHz -100kHz)              |
| Modulation optional                     | TTL on/off, 1Hz-1kHz, 1kHz-10kHz, 10kHz-30kHz, 30kHz-100kHz; and Analog modulation optional |  |
| Expected lifetime (hours)               | 10000   |  |
| Warranty                                | 1 year  |  |



| MLL-III-1470   | PSU-III-LED   | PSU-III-FDA   | PSU-A-D   |
|--|---|---|---|
| <p>146 (L) × 73 (W) × 46.2 (H) mm<sup>3</sup>, 0.7kg</p> | <p>188.6 (L) × 155 (W) × 92 (H) mm<sup>3</sup>, 1.5kg</p> | <p>171 (L) × 130 (W) × 62.2 (H) mm<sup>3</sup>, 1.2kg</p> | <p>162 (L) × 144 (W) × 70 (H) mm<sup>3</sup>, 1.0kg</p> |