

MDL-III-785/1~2500mW



### INFRARED DIODE LASER AT 785nm

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



### SPECIFICATIONS

|   |  |  |
|---|--|--|
| Central wavelength (nm)                 | 785±10   |  |
| Operating mode                          | CW   |  |
| Output power (mW)                       | >1, 50, 100, ..., 2500   |  |
| Power stability (rms, over 4 hours)     | <1%, <2%, <3% (<0.5%, optional)  |  |
| Transverse mode                         | Multimode  |  |
| 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)              |
| TTL / Analog modulation                 | TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz, 30kHz-100kHz optional |  |
| Expected lifetime (hours)               | 10000  |  |
| Warranty                                | 1 year   |  |



| MDL-III-785  | 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> |