



MDL-III-980/1~2500mW



INFRARED DIODE LASER  
AT 980nm

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)                 | 980±10   |  |
| Operating mode                          | CW   |  |
| Output power (mW)                       | >1, 100, 200, 300, ..., 2500   |  |
| Power stability (rms, over 4 hours)     | <3%, <2%, <1%, <0.5%   |  |
| 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)              |
| Modulation optional                     | TTL on/off, 1Hz-1kHz, 1kHz-10kHz, 10kHz-30kHz, 30kHz-100kHz;<br>and Analog modulation optional |  |
| Expected lifetime (hours)               | 10000  |  |
| Warranty                                | 1 year   |  |



| MDL-III-980   | 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> |