

MDL-III-800/1~2500mW

INFRARED DIODE LASER AT 800nm

Diode infrared laser module at 800nm is made features of ultra compact, long lifetime, low cost and easy operating, which is used in measurement, communication, spectrum analysis, etc.



SPECIFICATIONS

| | | | |
|---|---|-------------|-------------|
| Wavelength (nm) | 800±5 | | |
| Output power (mW) | >1, 100, 200, 300, ..., 2500 | | |
| Transverse mode | Multimode | | |
| Operating mode | CW | | |
| Power stability (rms, over 4 hours) | <1%, <3%, <5% | | |
| Warm-up time (minutes) | <5 | | |
| M ² factor | <20 | | |
| Beam divergence, full angle (mrad) | <3.0 | | |
| Dimensions of beam at the aperture (mm) | ~5×8 | | |
| Beam height from base plate (mm) | 24.8 | | |
| Polarization ratio | >50:1 | | |
| Operating temperature (°C) | 10~35 | | |
| Power supply (90-264VAC or 5VDC) | PSU-III-LED | PSU-III-FDA | PSU-III-OEM |
| Modulation option | TTL/Analog 1Hz-5KHz, 1Hz-10KHz, 1Hz-30KHz, and TTL on/off | | |
| Expected lifetime (hours) | 10000 | | |
| Warranty | 1 year | | |



| MxL-III-800 | PSU-III-LED | PSU-III-FDA | PSU-III-OEM |
|---|--|--|---|
| <p>136(L)×73(W)×46.2(H) mm³, 0.6kg</p> | <p>153 (L) ×155(W) ×92 (H) mm³, 1.5kg</p> | <p>133 (L) ×130(W) ×65 (H) mm³, 1.2kg</p> | <p>100 (L) ×62(W) ×56 (H) mm³, 0.2kg</p> |
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