

MDL-III-852/1~2000mW

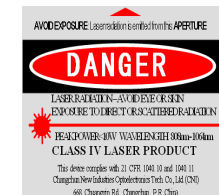
INFRARED DIODE LASER AT 852nm

Diode infrared laser module at 852nm 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) | 852 ± 5 | | |
| Output power (mW) | >1, 50, 100, ..., 2000 | | |
| Transverse mode | Near TE ₀₀ | | |
| 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 | | |
| Pointing stability after warm-up (mrad) | <0.05 | | |
| Operating temperature (°C) | 10~35 | | |
| Power supply (90-264VAC or 5VDC) | PSU-III-LED | PSU-III-FDA | PSU-III-OEM |
| TTL / Analog modulation | Optional, 2kHz or higher (on request, up to 30kHz) | | |
| Expected lifetime (hours) | 10000 | | |
| Warranty | 1 year | | |



| MxL-III-852 | PSU-III-LED | PSU-III-FDA | PSU-III-OEM |
|---|--|--|---|
| <p>140. 8(L)×73(W)×46. 2(H) mm³, 0.6kg</p> | <p>154 (L) ×155(W) ×95 (H) mm³, 1.5kg</p> | <p>133 (L) ×130(W) ×65 (H) mm³, 1.2kg</p> | <p>100 (L) ×60(W) ×56 (H) mm³, 0.2kg</p> |
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