



Your source for high quality, affordable lasers

DATA SHEET

INFRARED DIODE LASER AT 808nm

Diode infrared laser module at 808nm is made features of ultra-compact, long lifetime, low cost and easy operating, which is used in measurement, communication, spectrum analysis, etc.



Model: MDL-N-808/7000~10000mW

| | | | |
|---|---|-----------|-----------|
| Wavelength (nm) | 808 ± 3nm | | |
| Output power (mW) | >7000, 7500, ..., 10000 | | |
| 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 | | |
| Beam diameter at the aperture (mm) | 5 ~ 8 | | |
| Beam height from base plate (mm) | 68.5 | | |
| Pointing stability after warm-up (mrad) | <0.05 | | |
| Operating temperature (°C) | 10~35 | | |
| Power supply (90-264VAC) | PSU-H-LED | PSU-H-FDA | PSU-N-OEM |
| Modulation option | TTL/Analog 1Hz-5KHz, 1Hz-10KHz, 1Hz-30KHz, and TTL on/off | | |
| Expected lifetime (hours) | 10,000 | | |
| Warranty period | 1 year | | |

| MxL-N-808 | PSU-H-LED | PSU-H-FDA | PSU-N-OEM |
|---|---|---|---|
| <p>245(L) × 99(W) × 94(H) mm³, 2.5kg</p> | <p>277(L) × 145(W) × 106(H) mm³, 2.6kg</p> | <p>275(L) × 145(W) × 104(H) mm³, 2.4kg</p> | <p>275(L) × 145(W) × 104(H) mm³, 2.4kg</p> |