

MDL-I-980/1~2000mW

INFRARED DIODE LASER AT 980nm


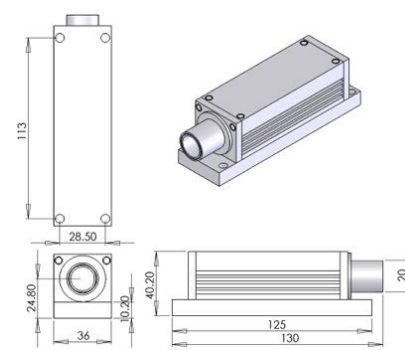

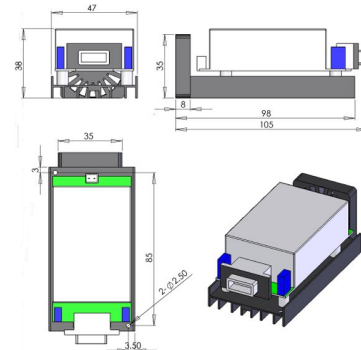
Diode infrared laser module at 980nm is made features of ultra compact, long lifetime, low cost and easy operating, which is used in measurement, communication, spectrum analysis, etc.



SPECIFICATIONS

| | |
|-------------------------------------|---|
| Wavelength (nm) | 980±5 |
| Output power (mW) | >1, 100, 200, 300, ..., 2000 |
| 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 |
| Beam diameter at the aperture (mm) | 5~8 |
| Beam height from base plate (mm) | 24.8 |
| Operating temperature (°C) | 10~35 |
| Power supply (90-264VAC) | PSU-I-OEM |
| Modulation option | TTL/Analog 1Hz-5KHz, 1Hz-10KHz, 1Hz-30KHz, and TTL on/off |
| Expected lifetime (hours) | 10000 |
| Warranty period | 1 year |
| Remarks | MDL is a diode laser module, so the beam quality is not as good as the solid-state laser. The beam spot is nearly square. |



| MxL-I-980 | Dimensions | PSU-I-OEM | Dimensions |
|---|---|--|--|
|  <p>130 (L) × 36(W) × 40.2(H) mm³, 0.3 kg</p> |  |  <p>105 (L) × 47(W) × 38(H) mm³, 0.2 kg</p> |  |