

Opto Engine LLC

Data sheet

Rev. 0912

MDL-III-885/1~1500mW

INFRARED DIODE LASER AT 885nm




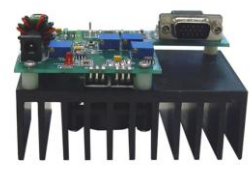
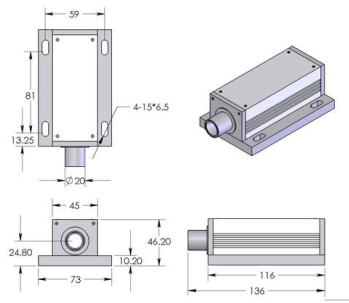
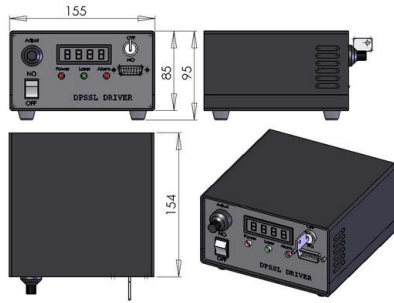
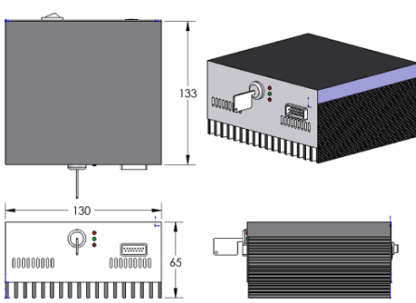
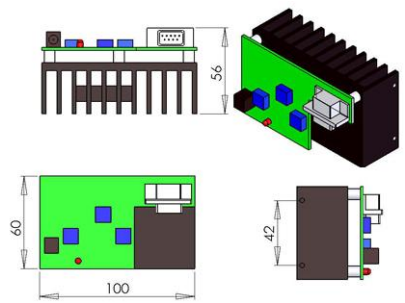
Diode infrared laser module at 885nm is made features of ultra compact, long lifetime, low cost and easy operating, which is used in measurement, communication, spectrum analysis, etc.



SPECIFICATIONS

| | | | |
|---|--|-------------|-------------|
| Wavelength (nm) | 885±5 | | |
| Output power (mW) | >1, 50, 100, ... , 1500 | | |
| 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-885 | 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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