

Opto Engine LLC

Data sheet

Rev. 0912

MLL-III-940/1~1500mW

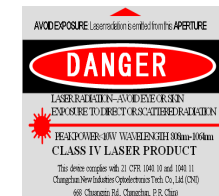
LOW NOISE INFRARED DIODE LASER AT 940 nm

Low noise diode infrared laser module at 940 nm 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) | 940±5 | | |
| Output power (mW) | >1, 100, 200, 300, ..., 1500 | | |
| Transverse mode | Near TE ₀₀ | | |
| Operating mode | CW | | |
| Power stability (rms, over 4 hours) | <1%, <3%, <5% | | |
| Noise of amplitude(rms,1~20MHz) | <1% | | |
| 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 |
| Expected lifetime (hours) | 10000 | | |
| Warranty | 1 year | | |



| MxL-III-940 | 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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