



MLL-III-1085/1~1000mW



**LOW NOISE INFRARED LASER
AT 1085nm**

All solid state low noise infrared laser at 1085 nm is made features of ultra compact, long lifetime, low cost and easy operating, which is used in scientific experiment, measurement, optical instrument, optical sensor, communication, spectrum analysis, etc.

SPECIFICATIONS

| | | |
|---|--|------------------|
| Wavelength (nm) | 1085±2 | |
| Output power (mW) | >1, 5, 10, 20, ... , 500 | >500, ... , 1000 |
| Transverse mode | TEM ₀₀ | |
| Operating mode | CW | |
| Power stability (rms, over 4 hours) | <1%, <2%, <3% | <2%, <3%, <5% |
| Noise of amplitude (rms, 20Hz~20MHz) | <1% | |
| Warm-up time (minutes) | <10 | |
| M ² factor | <1.5 | |
| Beam divergence, full angle (mrad) | <1.5 | |
| Beam diameter at 1/e ² (mm) | ~1.5 | |
| Beam height from base plate (mm) | 24.8 | |
| 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-97 | |
| Expected lifetime (hours) | 10000 | |
| Warranty | 1 year | |



| MLL-III-1085 | PSU-III-LED | PSU-III-FDA | PSU-III-OEM-97 |
|--|--|--|---|
| <p>140.5 (L) × 73 (W) × 46.2 (H) mm³, 0.6kg</p> | <p>188 (L) × 155(W) × 92 (H) mm³, 1.5kg</p> | <p>171 (L) × 130(W) × 62.2 (H) mm³, 1.2kg</p> | <p>94 (L) × 75(W) × 49(H)mm³, 0.23kg</p> |