



MLL-III-1319/1~500mW



**LOW NOISE INFRARED LASER
AT 1319 nm**

All solid state low noise infrared laser at 1319 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) | 1319±1 | |
| Output power (mW) | >1, 5, 10, 20, ... , 200 | >200, ... , 500 |
| Power stability (rms, over 4 hours) | <1%, <2%, <3%, <5% | <2%, <3%, <5% |
| Transverse mode | Near TEM ₀₀ | |
| Operating mode | CW | |
| 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-FDA PSU-III-OEM | |
| Expected lifetime (hours) | 10000 | |
| Warranty | 1 year | |



| MLL-III-1319 | PSU-III-FDA | PSU-III-OEM-97 |
|---|---|--|
| <p>140.5 (L) × 73 (W) × 46.2 (H) mm³, 0.6kg</p> | <p>171 (L) × 130(W) × 62.2 (H) mm³, 1.2kg</p> | <p>94(L) × 75(W) × 49(H) mm³, 0.23kg</p> |