

MLL-III-514.5/1~20mW

SPECIFICATIONS

**LOW NOISE GREEN LASER
MODULE AT 514.5 nm**

Green laser module at 514.5 nm is made features of ultra compact, long lifetime, and easy operating, which may be the replacement for Argon laser and it is widely used in biological, medical, laser pumping, scientific research, etc.



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|---|------------------------|-------------|
| Wavelength (nm) | 514.5±1 | |
| Output power (mW) | >1, 2, 3, ...,20 | |
| Transverse mode | Near TEM ₀₀ | |
| Operating mode | CW | |
| Power stability (rms, over 4 hours) | <1%, <3%, <5% | |
| Spectral linewidth (nm) | ~0.5 | |
| Noise of amplitude (pk-pk, 1~20MHz) | <1% | |
| Coherent length (cm) | >20 | |
| Warm-up time (minutes) | <5 | |
| Beam divergence, full angle (mrad) | 1.0 | |
| Beam diameter at the aperture (mm) | 3.0 | |
| 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) | PSU-III-LED | PSU-III-FDA |
| Expected lifetime (hours) | 10000 | |
| Warranty period | 1 year | |



| MxL-III-514.5 | PSU-III-LED | PSU-III-FDA |
|--|--|---|
|  <p style="text-align: center;">140. 8(L)×73(W)×46. 2(H) mm³, 0.6kg</p> |  <p style="text-align: center;">154 (L)×155(W)×95 (H) mm³, 1.5kg</p> |  <p style="text-align: center;">133 (L)×130(W)×65 (H) mm³, 1.2kg</p> |
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