

MLL-III-514.5/1~50mW



LOW NOISE GREEN DIODE LASER AT 514.5 nm

Low noise green laser 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.



SPECIFICATIONS

Wavelength (nm)	514.5±1	
Operating mode	CW	
Output power (mW)	>1, 2, 3, ..., 50	
Power stability (rms, over 4 hours)	<1%, <3%, <5%	
Transverse mode	Near TEM ₀₀	
Noise of amplitude(rms,20Hz~20MHz)	<1%	
Beam diameter at the aperture ((1/e ² ,mm)	~3.0	
Beam divergence, full angle (mrad)	<1.0	
Warm-up time (minutes)	<5	
Pointing stability after warm-up (mrad)	<0.05	
Beam height from base plate (mm)	24.8	
Operating temperature (°C)	10~35	
Power supply (85-264VAC)	PSU-III-LED	PSU-III-FDA
TTL / Analog modulation	TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz, 30kHz-100kHz optional	
Expected lifetime (hours)	10000	
Warranty	1 year	



MxL-III-514.5	PSU-III-LED	PSU-III-FDA	PSU-A-D
<p>143.5(L)×73(W) ×46.2(H) mm³, 0.7kg</p>	<p>188.6 (L) ×155(W) ×92 (H) mm³, 1.5kg</p>	<p>171(L) ×130(W) ×62.2 (H) mm³, 1.2kg</p>	<p>162(L) ×144(W) ×70 (H) mm³, 1.0kg</p>