

Opto Engine LLC

Data sheet

Rev. 1609

MLL-N-532/3000~5000mW



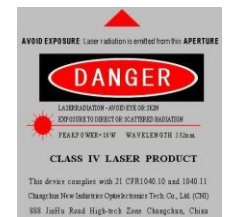
LOW NOISE GREEN LASER AT 532 nm

Low noise green laser at 532nm is made features of ultra compact, long lifetime and easy operating, which is widely used in collimation, laser medical treatment, scientific experiment, optical instrument, laser display, laser lighting show, etc.



SPECIFICATIONS

Model	MLL-N-532A (Good beam)		MLL-N-532B (Normal Product)	
Wavelength (nm)	532±1			
Operating mode	CW			
Output power (mW)	~3000	>3000, 3500, 4000, ..., 5000	~3000	>3000, 3500, 4000, ..., 5000
Power stability (rms, over 4 hours)	<1%, <3%, <5%, <10%			
Transverse mode	TEM ₀₀		Near TEM ₀₀	
Spectral linewidth (nm)	<0.01	<0.1	<0.01	<0.1
Noise of amplitude (rms, 1~20MHz)	<1%			
M ² factor	<1.3		3.0~5.0	
Beam diameter at the aperture (1/e ² ,mm)	~1.5		~3.0	
Beam divergence, full angle (mrad)	<1.5			
Warm-up time (minutes)	<10			
Polarization ratio	>100:1			
Beam height from base plate (mm)	68.5			
Operating temperature (°C)	10~35			
Power supply (90-264VAC)	PSU-H-LED/PSU-H-FDA		PSU-H-LED/PSU-N-OEM	
TTL / Analog modulation	TTL or Analog with 1Hz-1KHz 1KHz-10KHz, 10KHz-30KHz optional			
Expected lifetime (hours)	10000			
Warranty period	1 year			



MxL-N-532	MLL-N-532A		MLL-N-532B	
	PSU-H-LED	PSU-H-FDA	PSU-H-LED	PSU-N-OEM
<p>245(L)×99(W)×94(H) mm³, 2.6 kg</p>	<p>307 (L) ×150(W) ×106 (H) mm³, 2.9 kg</p>	<p>307 (L) ×150(W) ×106 (H) mm³, 2.9 kg</p>	<p>277(L) ×145(W) ×106 (H) mm³, 2.6 kg</p>	<p>215 (L) ×129 (W) ×122 (H) mm³, 2.1 kg</p>