

MLL-N-457/1000~2000mW

LD PUMPED ALL-SOLID-STATE LOW NOISE BLUE LASER

All solid state low noise 457 nm blue laser is made features of ultra compact, long lifetime, low cost 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-457A (Good beam)	MLL-N-457B (Normal Product)
Wavelength (nm)	457±1	
Output power (mW)	>1000, 1200, ..., 1500	>1000, 1500, ..., 2000
Transverse mode	TEM ₀₀	Near TEM ₀₁
Operating mode	CW	
Power stability (rms, over 4 hours)	<1%, <3%, <5%	
Warm-up time (minutes)	<10	
M ² factor	<1.5	<3.0
Beam divergence, full angle (mrad)	<1.2	
Beam diameter at the aperture (mm)	~2.0	~3.0
Beam height from base plate (mm)	68.2	
Polarization ratio	>100:1	
Noise of amplitude (rms, 1~20MHz)	<3%	
Operating temperature (°C)	10~35	
Power supply (90-264VAC)	PSU-H-LED/PSU-H-FDA/PSU-N-OEM	
Expected lifetime (hours)	10000	
Warranty period	1 year	



MLL-N-457	PSU-H-LED	PSU-H-FDA	PSU-N-OEM
<p>240(L)×99(W)×94(H) mm³, 2.6 kg</p>	<p>268 (L)×145(W)×106 (H) mm³, 2.6 kg</p>	<p>238 (L)×146(W)×102 (H) mm³, 2.3 kg</p>	<p>215 (L)×129 (W)×122 (H) mm³, 2.145 kg</p>