

# Opto Engine LLC

## Data sheet

Rev. 0912

MLL-N-457/1000~2500mW

### 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

Wavelength (nm)	457±1		
Output power (mW)	>1000, 1500, ..., 2500		
Transverse mode	Near TEM <sub>01</sub>		
Operating mode	CW		
Power stability (rms, over 4 hours)	<3%, <5%,		
Warm-up time (minutes)	<10		
M <sup>2</sup> factor	<3.0		
Beam divergence, full angle (mrad)	<1.5		
Beam diameter at the aperture (mm)	~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>235(L)×99(W)×94(H) mm<sup>3</sup>, 2.6 kg</p>	 <p>240 (L) ×146(W) ×108 (H) mm<sup>3</sup>, 2.6 kg</p>	 <p>238 (L) ×146(W) ×102 (H) mm<sup>3</sup>, 2.3 kg</p>	 <p>215 (L) ×129 (W) ×122 (H) mm<sup>3</sup>, 2.145 kg</p>
