

**Model: MLL-FN-473/1~500mW**



Your source for high quality, affordable lasers

## DATA SHEET

### LD PUMPED ALL-SOLID-STATE LOW NOISE BLUE LASER

All solid state 473nm low noise laser is made features of ultra-compact, long lifetime, low cost and easy operating, which is used in fluorescence sensors, Raman spectrum, holography, physics experiments, etc.

Wavelength (nm)	473 ± 1nm	
Operating mode	CW	
Output power (mW)	>1, 50, 100, ..., 200	>200, 300, ..., 500
Power stability (rms, over 4 hours)	<1%, <2%, <3%, <5%	<2%, <3%, <5%
Transverse mode	TEM <sub>00</sub>	Near TEM <sub>00</sub>
Noise of amplitude (rms, 20Hz~20MHz)	<1%	
M <sup>2</sup> factor	<1.2	<1.5
Beam divergence, full angle (mrad)	<1.5	
Beam diameter at the aperture (mm)	~2.0	~3.0
Polarization ratio	>100:1 (0 or 90 degree)	
Warm-up time (minutes)	<10	
Pointing stability after warm-up (mrad)	<0.05	
Beam height from base plate (mm)	27.4	
Operating temperature (°C)	10~35	
Power supply (90-264VAC)	PSU-H-LED	PSU-H-FDA
Expected lifetime (hours)	10,000	
Warranty period	1 year	



**Note: The laser head needs to be used on a heat sink with good heat dissipation.**

MLL-FN-473	Dimensions	PSU-H-LED	PSU-H-FDA
	<p><b>207(L) × 70(W) × 50(H) mm<sup>3</sup>, 2.0kg</b></p>	<p><b>277 (L) × 145(W) × 106 (H) mm<sup>3</sup>, 2.6 kg</b></p>	<p><b>275 (L) × 145(W) × 104 (H) mm<sup>3</sup>, 2.3kg</b></p>