

MLL-N-473/500~1000mW



LD PUMPED ALL-SOLID-STATE  
LOW NOISE BLUE LASER

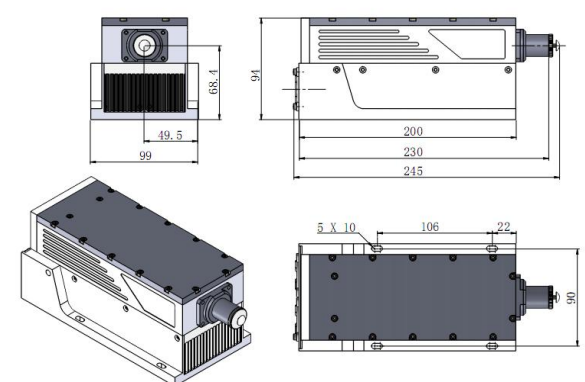
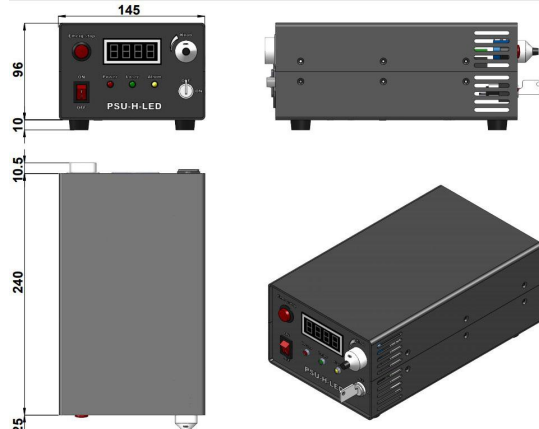
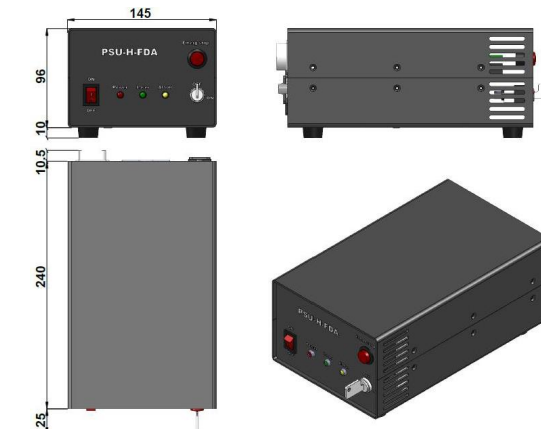
All solid state 473nm low noise laser is made features of ultra compact, long lifetime and easy operating, which is used in fluorescence sensors, Raman spectrum, holography, physics experiments, etc.



SPECIFICATIONS

Model	MLL-N-473A (Good beam)	MLL-N-473B (Normal Product)
Wavelength (nm)	473±1	
Operating mode	CW	
Output power (mW)	>100, 200, 300, ..., 500	>600, 700, 800, ... ,1000
Power stability (rms, over 4 hours) at 25°C	<5%, <3%, <2%, <1%	
Transverse mode	TEM <sub>00</sub>	Near TEM <sub>00</sub>
Noise of amplitude (rms, 1~20MHz)	<1%	
M <sup>2</sup> factor	<1.2	<3
Beam divergence, full angle (mrad)	<1.5	
Beam diameter at the aperture (1/e <sup>2</sup> , mm)	~2.0	~3.0
Warm-up time (minutes)	<10	
Polarization ratio	>50:1 (0 or 90 degree) ( higher on request)	
Pointing stability after warm-up (mrad)	<0.05	
Beam height from base plate (mm)	68.4	
Operating temperature (°C)	10~35	
Power supply (90-264VAC)	PSU-H-LED	PSU-H-FDA
TTL / Analog modulation	TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz optional	
Expected lifetime (hours)	10000	
Warranty	1 year	



MLL-N-473	PSU-H-LED	PSU-H-FDA
 <p>245 (L) × 99 (W) × 94 (H) mm<sup>3</sup>, 2.6 kg</p>	 <p>275.5 (L) × 145 (W) × 106 (H) mm<sup>3</sup>, 2.5 kg</p>	 <p>275.5 (L) × 145 (W) × 106 (H) mm<sup>3</sup>, 2.5 kg</p>