

MLL-FN-550/1~80mW



**LD PUMPED ALL-SOLID-STATE  
LOW NOISE GREEN LASER**

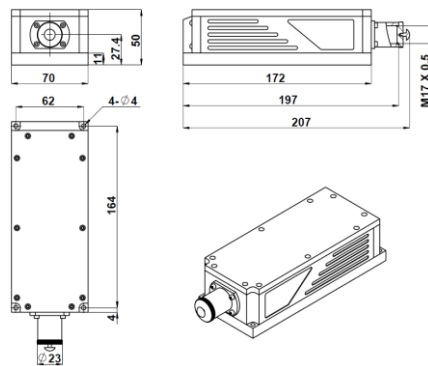

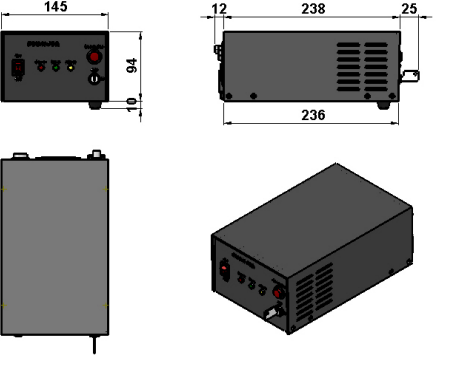
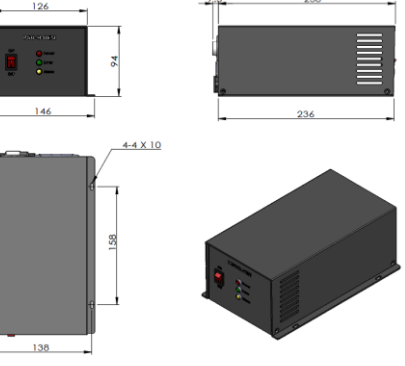
Low noise green laser at 550nm is made features of ultra compact, long lifetime, low cost and high stability, which is used in scientific experiment, optical sensor, measurement, instrument, communication, spectrum analysis, optogenetics, etc.



**SPECIFICATIONS**

Wavelength (nm)	550±1		
Operating mode	CW		
Output power (mW)	>1, 5, 10, 20, ..., 80		
Power stability (rms, over 4 hours)	<3%, <5%		
Transverse mode	TEM <sub>00</sub>		
Noise of amplitude (rms, 1Hz~20MHz)	<1%		
M <sup>2</sup> factor	<1.5		
Beam diameter at the aperture (1/e <sup>2</sup> , mm)	~2.0		
Beam divergence, full angle (mrad)	<1.5		
Beam height from base plate (mm)	27.4		
Polarization ratio	>100:1		
Warm-up time (minutes)	<10		
Pointing stability after warm-up (mrad)	<0.05		
Operating temperature (°C)	10~35		
Power supply (90-264VAC)	PSU-H-LED	PSU-H-FDA	PSU-H-OEM
Modulation option	None (TTL or Analog with 1Hz-1KHz 1KHz-10KHz, 10KHz-30KHz optional)		
Expected lifetime (hours)	10000		
Warranty period	1 year		



MxL-FN-550	PSU-H-LED	PSU-H-FDA	PSU-H-OEM
 <p>197(L)×70(W)×50(H) mm<sup>3</sup>, 1.36kg</p>	 <p>277 (L) ×145(W) ×106 (H) mm<sup>3</sup>, 2.6 kg</p>	 <p>236(L) ×145(W) ×104(H) mm<sup>3</sup>, 2.3 kg</p>	 <p>238 (L) ×146(W) ×94 (H) mm<sup>3</sup>, 2.2 kg</p>