Opto Engine LLC

Data sheet

Rev. 1609

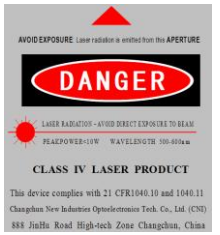
MLL-FN-561/1~200mW

LD PUMPED ALL-SOLID-STATE LOW NOISE YELLOW GREEN LASER AT 561nm

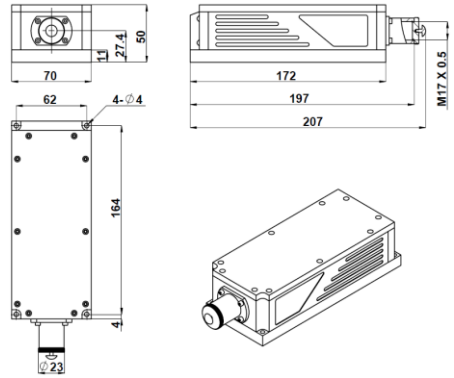
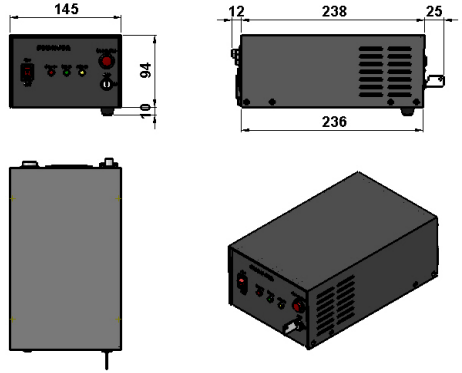
Low noise yellow green laser at 561nm is made features of ultra compact, long lifetime, low cost and easy operating, which is used in scientific experiment, optical sensor, measurement, instrument, communication, spectrum analysis, etc.

SPECIFICATIONS

Wavelength (nm)	561±1	
Operating mode	CW	
Output power (mW)	>1, 5, 10, 20, … , 200	
Power stability (rms, over 4 hours)	<1%, <3%, <5%	
Transverse mode	TEM_{00}	
M^2 factor	<1.2	
Noise of amplitude (rms, 20Hz~20MHz)	<1%	
Beam diameter at the aperture ($1/e^2$, mm)	~2.0	
Beam divergence, full angle (mrad)	<1.5	
Polarization ratio	>100:1 Vertical ±5 degree (Horizontal Optional)	
Warm-up time (minutes)	<10	
Pointing stability after warm-up (mrad)	<0.05	
Beam height from base plate (mm)	27.4	
Operating temperature (℃)	10~35	
Power supply (90-264VAC)	PSU-H-LED	PSU-H-FDA
Expected lifetime (hours)	10000	
Warranty	1 year	



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

MXL-FN-561	PSU-H-LED	PSU-H-FDA
		
197(L)×70(W)×50(H) mm³, 2.0 kg	277 (L) ×145(W) ×106 (H) mm³, 2.6 kg	236(L) ×145(W) ×104(H) mm³, 2.3 kg

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