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## DATA SHEET

### LOW NOISE LD PUMPED ALL- SOLID-STATE GREEN LASER AT 556nm

Low noise yellow green laser at 556nm 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, etc.



Model: MLL-FN-556/1~500mW

Wavelength ( nm )	556 ± 1nm	
Output Power ( mW )	>1~10, 30, 50, ... , 500	
Transverse Mode	TEM <sub>00</sub>	
Operating Mode	CW	
Power stability (rms, over 4 hours)	<3%, <5%, <10%	
Noise of amplitude (rms, 20Hz~20MHz)	<1%, <0.5%	
Warm-up time (minutes)	<10	
M <sup>2</sup> factor	<1.2	
Beam divergence, full angle (mrad)	<1.5	
Beam diameter at the aperture (mm)	~2.0	
Beam height from base plate (mm)	27.4	
Polarization ratio	>100:1 (o or 90 degree)	
Pointing stability after warm-up (mrad)	<0.05	
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.**

MxL-FN-556	Laser Head Dimensions	PSU-H-LED	PSU-H-FDA
	207(L) ×70(W) ×50(H) mm <sup>3</sup> , 2.0kg	277 (L) ×145(W) ×106 (H) mm <sup>3</sup> , 2.6 kg	275 (L) ×145(W) ×104 (H) mm <sup>3</sup> , 2.3kg