



MLL-U-561 /20-75mW

ULTRA- LOW NOISE DPSS  
YELLOW GREEN LASER AT  
561nm

Supper low noise yellow green laser at 561nm is made features of ultra compact, long lifetime, high stability and reliability, which is used in scientific experiment, medical measurement, instrument, spectrum analysis, etc.



SPECIFICATIONS

Wavelength (nm)	561±1
Output power (mW)	20, 50 , 75
Transverse mode	TEM <sub>00</sub> , M <sup>2</sup> <1.1
Beam asymmetry	0.9 to 1.1
Beam diameter at 1/e <sup>2</sup>	0.70±0.05mm
Beam divergence (mrad)	<1.5
Pointing stability(Over 2hours and 23±3°C) (mrad)	<0.05
Noise (%)	20Hz to 20MHz, rms (23±3°C)
	20Hz to 20KHz, PK-PK(23±3°C)
Long-Term Power Stability(%) rms (4 hours, 23±3°C)	<1%
Warm-up time (minutes)	<5
Polarization Ratio	>100:1, vertical ±5°
Beam height from base plate (mm)	26.5
Static Alignment Tolerances	Beam Position(mm) +/- 0.5mm
	Beam Angle(mrad) +/-2.5mrad
	Beam Waist Position at Exit Window ±20cm
Power supply (90-264VAC)	PSU-H-LED
Power Consumption(W)	<70
Max. Laser Head Baseplate Temp (°C)	+50
Max. Heat Dissipation of Head(W)	15
Operating Temperature (°C)	10-40
Storage Temperature (°C)	-30 to 60
Shock Tolerance(gms)	7g laterally, 15g vertically
Expected lifetime (hours)	10000
Warranty	1 year



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

MXL-U-561	Dimension	PSU-H-LED	Dimension
<p>126(L)×70(W) ×50(H), 2.0 kg</p>		<p>240 (L) ×145(W) ×106 (H) mm<sup>3</sup>, 2.6 kg</p>	