

DATA SHEET


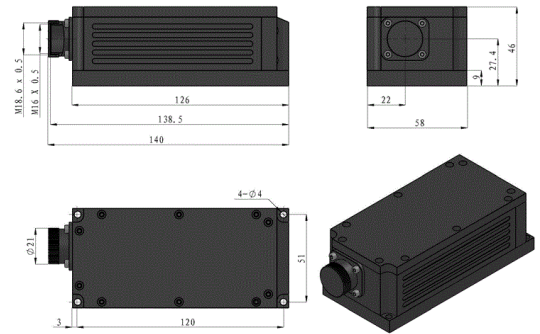

ULTRA-LOW NOISE DPSS YELLOW GREEN LASER at 561nm

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.

Wavelength (nm)		561 ± 1nm
Output Power (mW)		>20, 50, 75
Transverse Mode		TEM ₀₀ , M ² <1.1
Beam asymmetry		0.9 to 1.1
Beam diameter at 1/e2		0.70 ±0.05mm
Noise (%)	rms, 20Hz to 20MHz, rms (23±3℃)	<0.5
	rms, 20Hz to 20KHz, PK-PK (23±3℃)	<1
Long-Term Power Stability, rms (4 hours, 23±3℃)		<1%
Warm-up time (minutes)		<5
Beam divergence, full angle (mrad)		<1.5
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
Polarization ratio		>100:1 vertical ±5°
Pointing stability (Over 2 hrs and 23±3℃) (mrad)		<0.05
Operating temperature (℃)		10~40
Storage Temperature (℃)		-30 to 60
Shock Tolerance (6ms)		7g laterally, 15g vertically
Power supply (90-264VAC)		PSU-H-LED
Power Consumption (W)		<70
Max. Laser Head Baseplate Temp (℃)		+50
Max. Heat Dissipation of Head (W)		15
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-U-561	Dimensions	PSU-H-LED	Dimensions
 <p>140(L) × 58(W) × 46(H) mm³, 0.9kg</p>		 <p>240 (L) × 145(W) × 106 (H) mm³, 2.6 kg</p>	