



**MLL-U-xxx-XU series**

**ULTRA- LOW NOISE DPSS LASER**

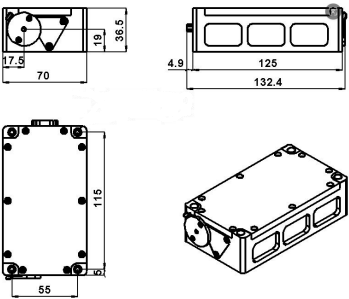
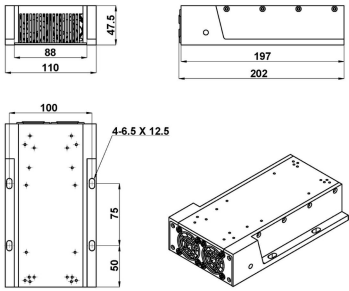
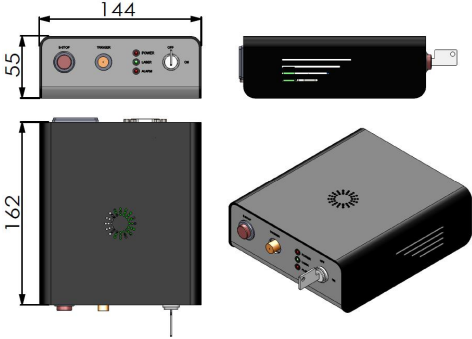
The ultra-low-noise laser features an ultra-compact design, a long lifetime, high stability, and reliability. It is widely used in scientific experiments, medical measurement, instrumentation, spectral analysis, and more.



**SPECIFICATIONS**

Wavelength (nm)	561±1
Operating mode	CW
Output power (mW) <sup>1</sup>	1-30
Power stability (rms, 4 hours ±3°C)	<2%, <1%
Spectral line width (nm)	<0.1
Transverse mode	TEM <sub>00</sub>
Noise of amplitude (rms, 20Hz-20MHz)	≤0.25%
M <sup>2</sup>	<1.2
Beam diameter at the aperture (1/e <sup>2</sup> , mm)	<1.0
Beam divergence (mrad)	<1.5
Polarization ratio	>100:1, Horizontal±5 degree (Vertical optional)
Warm-up time (minutes)	<10
Pointing stability (μrad) (over 2 hours after warm-up and ±3°C)	<50
Beam height from base plate (mm)	19
Operating temperature (°C)	10-35
Power supply (100-240VAC)	PSU-A-F
Expected lifetime (hours)	>10000



LASER HEAD <sup>2</sup>	HEATSINK (optional TC-02-FS)
 <p data-bbox="517 695 797 715">132.4(L)×70(W)×36.5(H)mm<sup>3</sup>, 0.75kg</p>	 <p data-bbox="1442 695 1722 715">202(L)×110(W)×47.5(H) mm<sup>3</sup>, 1.25kg</p>
POWER SUPPLY (PSU-A-F) <sup>3</sup>	
 <p data-bbox="521 1158 792 1177">162(L) × 144(W) × 55(H) mm<sup>3</sup>, 0.5kg</p>	

1 Any power level can be selected in this range.

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

3 Fixed output power.