



MLL-U-550 /1~100mW



**ULTRA- LOW NOISE DPSS
LASER AT 550nm**

Ultra low noise laser at 550nm 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

Central wavelength (nm)	550±1
Operating mode	CW
Output power (mW)	>1, 5, 10, 20, ... , 100
Power stability (rms, over 4 hours)	<1%, <2%, <3%, <5%
Transverse mode	TEM ₀₀
Noise of amplitude (rms, 1Hz~20MHz)	<1%
M ² factor	<1.2
Beam diameter at the aperture (1/e ² , mm)	0.70±0.05
Beam divergence (mrad)	<1.5
Polarization Ratio	>100:1, Vertical±5 degree
Warm-up time (minutes)	<10
Pointing stability after warm-up (mrad)	<0.05
Beam height from base plate (mm)	27.4
Laser head consumption(W)	15 (typical) , <25 (40℃)
Max. Laser Head Base plate Temp (°C)	50
Operating Temperature (°C)	10-40
Power supply (90-264VAC)	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.

MLL-U-550	PSU-H-FDA
<p>142.5(L)×60(W) ×50(H) mm³, 1.0 kg</p>	<p>275(L) ×145(W) ×104(H) mm³, 2.3 kg</p>