



MLL-U-xxx-XU series

ULTRA- LOW NOISE DPSS LASER

Ultra low noise laser 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
Operating mode	CW
Output power (mW)	1-30
Power stability (rms, over 4 hours)	<1%
Transverse mode	TEM <sub>00</sub>
Noise of amplitude (rms, 1Hz~20MHz)	≤0.25%
M <sup>2</sup> factor	<1.2
Beam diameter at the aperture (1/e <sup>2</sup> , mm)	<1.0
Beam divergence, full angle (mrad)	<1.5
Polarization Ratio	>100:1, Horizontal±5 degree (Vertical Optional)
Warm-up time (minutes)	<10
Pointing stability after warm-up (mrad)	<0.05
Beam height from base plate (mm)	19
Operating Temperature (°C)	10-35
Power supply (90-264VAC)	PSU-A-D/PSU-A-F
Expected lifetime (hours)	10000
Warranty	1 year

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



LASER HEAD	POWER SUPPLY (PSU-A-D)	POWER SUPPLY (PSU-A-F)
<p>132.4(L)×70(W)×36.5(H)mm<sup>3</sup>, 0.75kg</p>	<p>162 (L) × 144(W) × 70(H) mm<sup>3</sup>, 0.6kg</p>	<p>162(L) × 144(W) × 55(H) mm<sup>3</sup>, 0.5kg</p>