



MLL-III-523.5/1~100mW



LD PUMPED ALL-SOLID-STATE
LOW NOISE GREEN LASER

All solid state 523.5nm green laser is made features of ultra compact, long lifetime, cost -effectiveness and easy operating, which is widely used in DNA sequencing, flow cytometry, cell sorting, optical instrument, spectrum analysis, interference, measurement, holography, laser printing, chip inspection, physics experiment, etc.

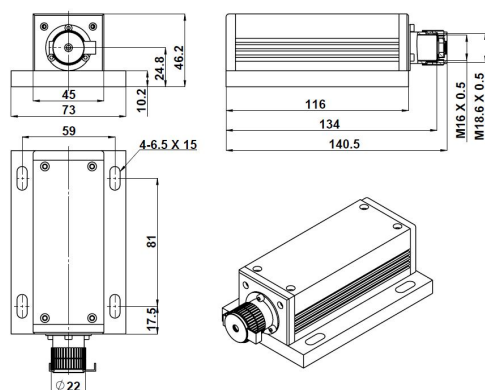


SPECIFICATIONS

Central wavelength (nm)	523.5±1
Operating mode	CW
Output power (mW)	>1, 5, 10, 20, ... , 100
Power stability (rms, over 4 hours)	<2%, <3%, <5%
Transverse mode	Near TEM ₀₀
Noise of amplitude (rms, 20Hz~20MHz)	<1%
M ² factor	<1.2
Beam diameter at the aperture 1/e ² (mm)	~1.2
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)	24.8
Operating temperature (°C)	10~35
Power supply (90-264VAC or 5VDC)	PSU-III-FDA/PSU-III-OEM-97
Expected lifetime (hours)	10000
Warranty	1 year

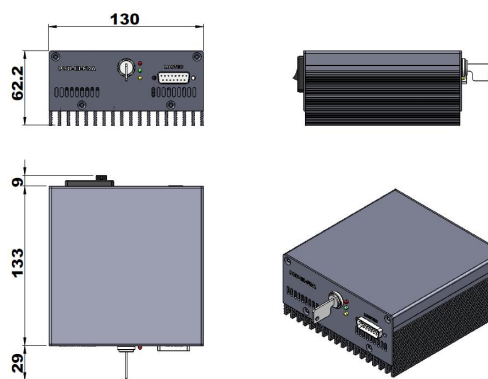


MLL-III-523.5



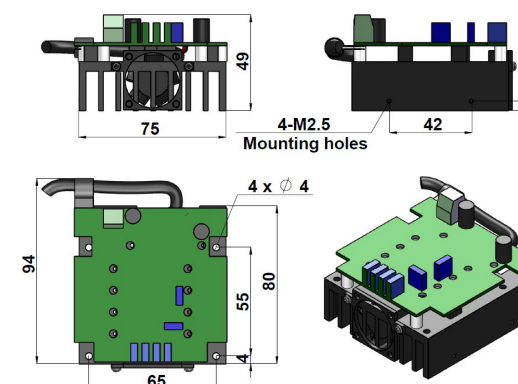
140.5 (L) × 73 (W) × 46.2 (H) mm³, 0.6kg

PSU-III-FDA



171 (L) × 130(W) × 62.2 (H) mm³, 1.2kg

PSU-III-OEM-97



94(L) × 75(W) × 49(H) mm³, 0.23kg