

523.5 nm Single Longitudinal Mode Blue Laser MSL-III-523.5

Model #: MSL-III-523.5

Description: All-solid-state single longitudinal mode green laser at 523.5 nm MSL-III-523.5 features ultra-compact, long lifetime, low cost and easy operation.

Application: DNA sequencing, flow cytometry, cell sorting, optical instrument, spectrum analysis, interference, measurement, holography, physics experiment, etc.



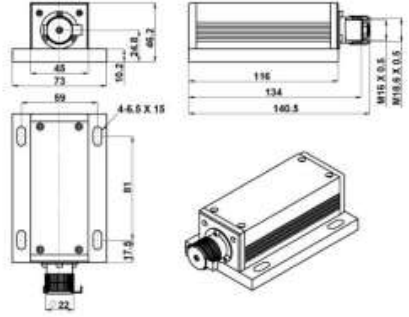
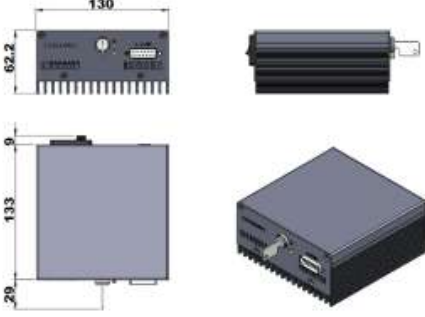
Specifications

Wavelength (nm)	523.5
Output Power (mW)	>1, 5, 10,....., 50
Power Stability (rms, over 4 hours)	<2%, 3%, 5%
Transverse Mode	TEM ₀₀
Operating Mode	CW
Longitudinal Mode	Single
Spectrum Linewidth (nm)	<0.00001
Coherent Length (m)	>50
Amplitude Noise (rms, 1 ~ 20 MHz)	<1%, typical 0.5%
M ² Factor	<1.2
Warm-up Time (minutes)	<10
Beam Diameter at Aperture (1/e ² , mm)	<1.2
Beam Divergence, Full Angle (mrad)	<1.5
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 5V DC)	PSU-III-FDA
Expected Lifetime (hours)	10000
Warranty Period	1 year

Note: Laser head must be placed on a heat sink with good head dissipation

Ordering Information: MSL-III-523.5-A-B

A: maximum output power	B: power stability
20 - 20 mW	2 – 2%
30 - 30 mW	3 – 5%
50 - 50 mW	5 – 5%

MSL-III-523.5	PSU-III-FDA
	
 <p data-bbox="454 924 714 945">140.5 (L) × 73 (W) × 46.2 (H) mm³, 0.6kg</p>	 <p data-bbox="933 924 1177 945">133 (L) × 130(W) × 62.2 (H) mm³, 1.2kg</p>

