



MSL-III-523.5/1~50mW



**SINGLE LONGITUDINAL MODE
GREEN LASER AT 523.5nm**

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



SPECIFICATIONS

Wavelength (nm)	523.5
Operating mode	CW
Output power (mW)	>1, 5, 10, 20, ... , 50
Power stability (rms, over 4 hours)	<2%, <3%, <5%
Transverse mode	TEM ₀₀
Longitudinal mode	Single
Spectral linewidth (nm)	<0.00001
Coherent length (m)	>50
Noise of amplitude (rms, 1Hz~20MHz)	<1%, typical<0.5%
M ² factor	<1.2
Beam diameter at the aperture (1/e ² , mm)	<1.2
Beam divergence, full angle (mrad)	<1.5
Warm-up time (minutes)	<10
Pointing stability after warm-up (mrad)	<0.05
Beam height from base plate (mm)	24.8
Operating temperature (°C)	15~35
Power supply (90-264VAC or 5VDC)	PSU-III-FDA
Expected lifetime (hours)	10000
Warranty	1 year

