

Opto Engine LLC

Data sheet

Rev. 0912

MSL-III-523.5/1~50mW

SINGLE LONGITUDINAL MODE GREEN LASER AT 523.5 nm



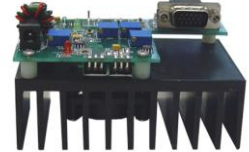
All solid state single longitudinal mode green laser at 523.5 nm is made features of ultra compact, long lifetime, low cost and easy operating, which is used in DNA sequencing, flow cytometry, cell sorting, optical instrument, spectrum analysis, interference, measurement, holography, laser printing,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



SPECIFICATIONS

Wavelength (nm)	523.5	
Output power (mW)	>1, 5, 10, 20, ... , 50	
Transverse mode	TEM ₀₀	
Longitudinal mode	Single	
Operating mode	CW	
Power stability (rms, over 4 hours)	<3%, <5%	
Warm-up time (minutes)	<15	
M ² factor	<1.2	
Beam divergence, full angle (mrad)	<1.5	
Beam diameter at the aperture (mm)	~2.0	
Beam height from base plate (mm)	24.8	
Spectral linewidth (nm)	<0.0001	
Polarization ratio	>100:1 (45 degree)	
Pointing stability after warm-up (mrad)	<0.05	
Noise of amplitude (rms, 1~20MHz)	<0.5%	
Coherent length (m)	>50	
Operating temperature (°C)	15~35	
Power supply (90-264VAC)	PSU-III-FDA	PSU-III-OEM
Modulation	Modulation isn't available.	
Expected lifetime (hours)	10000	
Warranty	1 year	



MxL-III-523.5	PSU-III-FDA	PSU-III-OEM
		
140. 8(L)×73(W) ×46. 2(H) mm ³ , 0.6kg	133 (L) ×130(W) ×65 (H) mm ³ , 1.2kg	100 (L) ×60(W) ×56 (H) mm ³ , 0.2kg
