



MSL-DS-532/1~100mW

**SINGLE LONGITUDINAL MODE
GREEN LASER AT 532 nm**

All solid state single longitudinal mode green laser at 532 nm is made features of ultra compact, small size, photoelectric integrated, built-in electric shutter, long lifetime, low cost and easy operating, which is used in DNA sequencing, flow cytometry, cell sorting, optical instrument, spectrum analysis, interference, measurement, holography, brillouin scattering, physics experiment, etc.



SPECIFICATIONS

Model	MSL-DS-532
Wavelength (nm)	532±1
Operating mode	CW
Output power before fiber (mW)	>1,5,10,20,....,100
Power stability (rms, over 4 hours)	<1%,<2%,<3%
Transverse mode	TEM ₀₀
Longitudinal mode	Single
Spectral linewidth (nm)	<0.00001
Coherent length (m)	>50
Noise of amplitude (rms, 20Hz~20MHz)	<0.5%
M ² factor	<1.2(<1.1 optional)
Beam diameter at the aperture(1/e ² ,mm)	0.7±0.05
Beam divergence, full angle (mrad)	<1.5
Pointing stability after warm-up (mrad)	<0.05
Pointing stability Over Temp. (μrad/°C)	<8
Warm-up time (minutes)	<5
Beam height from base plate (mm)	19
Power Consumption(W)	<6
Fiber	Multimode/ Single Mode
Shock Tolerance(6ms)	7g laterally,15g vertically
Power Supply	5V DC (Photoelectric integrated)
Operating temperature (°C)	10-35
Storage temperature (°C)	5-50
Modulation	Modulation isn't available.
Expected lifetime (hours)	10000
Warranty	1 year



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Without Fiber	With Multimode Fiber	With Single Mode Fiber
<p>100 (L) × 60 (W) × 40(H) mm³, 0.41kg</p>	<p>130.5(L) × 60(W) × 45(H) mm³, 0.5kg</p>	<p>139(L) × 60(W) × 46(H) mm³, 0.52kg</p>