



MSL-S-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, wide operating temperature, good sealing, long lifetime, low cost and easy operating, working under the pressure of 0.02kPa, 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-S-532-A (Harsh condition)	MSL-S-532-B (Normal condition)
Wavelength (nm)	532±2	
Operating mode	CW	
Output power (mW)	>1,5,10,20,...,100	
Power stability (rms, over 4 hours)	<1%,<3%,<5%	
Transverse mode	TEM <sub>00</sub>	
Longitudinal mode	Single	
Spectral linewidth (nm)	<0.0001	
Coherent length (m)	>50	
Noise of amplitude (rms, 20Hz~20MHz)	<0.5%	
M <sup>2</sup> factor	<1.2	
Beam diameter at the aperture( 1/e <sup>2</sup> ,mm)	0.7±0.05	
Beam divergence, full angle (mrad)	<1.5	
Polarization ratio	>100:1 Horizontal±5 degree (Vertical Optional)	
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)	<30	
Shock Tolerance(6ms)	7g laterally,15g vertically	
IP Rating	IP67	IP65
Power supply(90-264VAC)	PSU-H-FDA	PSU-A-F
Operating temperature (°C)	0-60	10-35
Max. Heat Dissipation of Head(W)	10W@50°C	4W@25°C
Modulation	Modulation isn't available.	
Expected lifetime (hours)	10000	
Warranty	1 year	



**MSL-S-532-B**

100 (L) × 40 (W) × 40(H) mm<sup>3</sup>, 0.36kg

**PSU-H-FDA**

275(L) × 145(W) × 104 (H) mm<sup>3</sup>, 2.3kg

**PSU-A-F**

162(L) × 144(W) × 55(H) mm<sup>3</sup>, 0.5kg