MXL-S-532-D Series

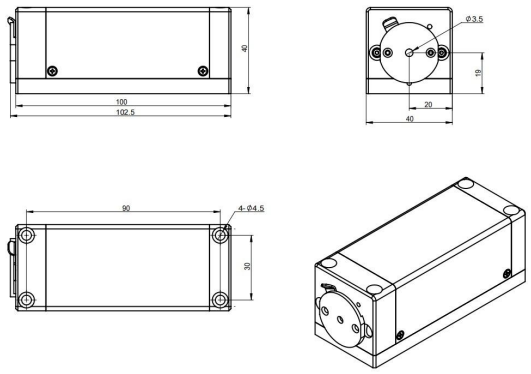
All solid state laser is made features of ultra compact, long lifetime, low cost and easy operating, which is used in DNA sequencing, flow cytometry, cell sorting, optical instrument, spectrum analysis, interference, measurement, holography, physics experiment, etc.

SPECIFICATIONS

Model	MGL-S-532-D	MLL-S-532-D	MSL-S-532-D
Wavelength (nm)	532±1		532. 1±0.3
Output power (mW)	1-300		1-150
Power stability (rms, over 4 hours)	<1%		
Operating mode	CW		
Transverse mode	TEM_{00}		
Longitudinal mode	/		Single
Spectral line width	<0.1nm	<0.1nm (<0.003nm optional @1-150mW)	<1MHz
Noise of amplitude (rms, 20Hz~20MHz)	/	<1%, <0.5%	<0.2%
Coherent length (m)	/	>1（<0.003nm version）	>50
M^2 factor	<1.2，<1.1		
Beam diameter at the aperture ($1/e^2$, mm)	<1.0		
Beam divergence, full angle (mrad)	<1.5		
Polarization Ratio	>100:1 Horizontal (Vertical Optional)		
Warm-up time (minutes)	<5		
Pointing stability Over Temp. (μrad/°C)	<8		
Pointing stability after warm-up (mrad)	<0.05		
Frequency shift over 8 hours (MHz) (Optional)	/		<±200
Frequency shift with Temp (MHz/°C) (Optional)	/		<200
Beam height from base plate (mm)	19		
Power Consumption(W)	<6		
Fiber	Multimode/ Single Mode		
Shock Tolerance(6ms)	7g laterally,15g vertically		
Operating Temperature (°C)	10-35		
Power supply	12V DC		
Modulation	TTL on/off, 1Hz-1KHz,and Analog modulation optional	/	
Expected lifetime (hours)	10000		
Warranty	1 year		

Note: The laser head needs to be used on a heat sink with good heat dissipation.

LASER HEAD



102.5(L)×40(W) ×40(H) mm³, 0.26 kg