

### MLL-S-532/1~300mW

### LD PUMPED ALL-SOLID-STATE LOW NOISE GREEN LASER

All solid state 532nm green laser 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 widely used in DNA sequencing, flow cytometry, cell sorting, optical instrument, spectrum analysis, interference, measurement, holography, laser printing, chip inspection, physics experiment, etc.



#### SPECIFICATIONS

Model	MLL-S-532-A(Harsh condition)	MLL-S-532-B(Normal condition)	
Wavelength (nm)	532±1		
Operating mode	CW		
Output power (mW)	>1.5,10,20,...,300		
Power stability (rms, over 4 hours)	<1%,<3%,<5%		
Transverse mode	TEM <sub>00</sub>		
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		
Noise of amplitude (rms, 20Hz~20MHz)	<1%,<0.5%		
Warm-up time (minutes)	<5		
Beam height from base plate (mm)	19		
Power Consumption(W)	<40		
Shock Tolerance(6ms)	7g laterally,15g vertically		
IP Rating	IP67	IP65	
Power supply(90-264VAC or 5VDC)	PSU-H-FDA	PSU-III-FDA	PSU-III-OEM-97
Operating temperature (°C)	0-60	10-35	
Max. Heat Dissipation of Head(W)	10W@50°C	4W@25°C	
Modulation	TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation option		
Expected lifetime (hours)	10000		
Warranty	1 year		



MxL-S-532	PSU-III-LED	PSU-III-FDA	PSU-III-OEM-97
<p>100 (L) × 50 (W) × 38 (H) mm<sup>3</sup>, 0.41kg</p>	<p>236(L) × 145(W) × 104 (H) mm<sup>3</sup>, 2.3kg</p>	<p>133 (L) × 130(W) × 62.2 (H) mm<sup>3</sup>, 1.2kg</p>	<p>94(L) × 75(W) × 49(H)mm<sup>3</sup>, 0.23kg</p>