

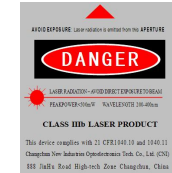


MLL-S series

LD PUMPED ALL-SOLID-STATE LOW NOISE LASER



All solid state laser is made features of ultra compact, small size, wide operating temperature, good sealing, long lifetime, cost-effectiveness 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)	MLL-S-1064-A (Harsh condition)		MLL-S-1064-B (Normal condition)	
Central wavelength (nm)	532±1		1064±1			
Operating mode	CW		CW			
Output power (mW)	1-300		1-400	400-1500	1-400	400-1500
Power stability (rms, over 4 hours)	<3%, <2%, <1%		<3%, <2%, <1%	<3%, <2%	<3%, <2%, <1%	<3%, <2%
Transverse mode	TEM ₀₀					
Spectral line width (nm)	<0.1					
Noise of amplitude (rms, 1Hz~20MHz)	<1%, <0.5%					
M ² factor	<1.2, <1.1		<1.2			
Beam diameter at the aperture (1/e ² , mm)	<1.0					
Beam divergence, full angle (mrad)	<1.5					
Polarization Ratio	>100:1, Vertical (Horizontal Optional)			>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					
Beam height from base plate (mm)	19					
Laser head consumption(W)	<40					
Shock Tolerance(6ms)	7g laterally, 15g vertically					
Max. Laser Head Base plate Temp (°C)	10W@50°C	4W@25°C	10W@50°C	4W@25°C		
Operating Temperature (°C)	0-60	10-35	0-60	10-35		
IP Rating	IP67	IP65	IP67	IP65		
Power supply (90-264VAC)	PSU-H-FDA	PSU-A-D/PSU-A-F /PSU-III-OEM-97 (5VDC)	PSU-H-FDA	PSU-A-D/PSU-A-F /PSU-III-OEM-97 (5VDC)		
Modulation	TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; 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 (A)	LASER HEAD (B)	POWER SUPPLY (PSU-H-FDA)
<p style="text-align: center;">245.5(L)×88(W)×74(H) mm³, 2.0 kg</p>	<p style="text-align: center;">100 (L) ×40 (W) ×40(H) mm³, 0.36kg</p>	<p style="text-align: center;">276.6(L) ×145(W) ×103.6(H) mm³, 2.3 kg</p>
POWER SUPPLY (PSU-A-D)	POWER SUPPLY (PSU-A-F)	POWER SUPPLY (PSU-III-OEM-97)
<p style="text-align: center;">162 (L) × 144(W) ×70(H) mm³, 0.6kg</p>	<p style="text-align: center;">162(L) × 144(W) ×55(H) mm³, 0.5kg</p>	<p style="text-align: center;">94(L)×75(W)×49(H)mm³, 0.23kg</p>