



MLL-S-530/1~50mW



LOW NOISE GREEN LASER

All solid state 530nm green 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-530-A(Harsh condition)	MLL-S-530-B(Normal condition)
Central wavelength (nm)	530±1	
Operating mode	CW	
Output power (mW)	>1,5,10,20,...,50	
Power stability (rms, over 4 hours)	<1%, <2%, <3%	
Transverse mode	TEM ₀₀	
Spectral linewidth (nm)	<0.003	
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	
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%	
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)	PSU-H-FDA PSU-A-FP PSU-III-OEM-97(5VDC)	
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	



MLL-S-530	PSU-H-FDA	PSU-A-F	PSU-III-OEM-97
<p style="text-align: center;">100 (L) × 40 (W) × 40(H) mm³, 0.36kg</p>	<p style="text-align: center;">236(L) × 145(W) × 104 (H) mm³, 2.3kg</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>