

Opto Engine LLC

Data sheet

Rev. 2102

MLL-F-532/1.5~2.5W



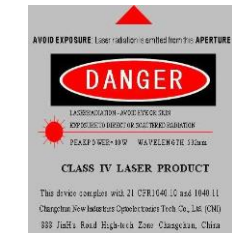
LD PUMPED ALL-SOLID-STATE LOW NOISE GREEN LASER

All solid state 532nm low noise green laser is made features of ultra compact, long lifetime, and easy operating, which is widely used in DNA sequencing, flow cytometry, cell sorting, instrument, spectrum analysis, interference, measurement, holography, laser printing, chip inspection, physics experiments etc.



SPECIFICATIONS

Wavelength (nm)	532±1	
Operating mode	CW	
Output power (W)	>1.5, 1.6, 1.7, ..., 2.5	~1.5
Power stability (rms, over 4 hours)	<1%, <2%, <3%	
Transverse mode	TEM ₀₀	
Spectral linewidth (nm)	<0.1	<0.003
Noise of amplitude (rms, 1Hz~20MHz)	<0.5%, <1%	<0.5%
M ² factor	<1.1	
Beam divergence, full angle (mrad)	<1.2	
Beam diameter at the aperture (1/e ² , mm)	~2.0	
Warm-up time (minutes)	<10	
Polarization ratio	>100:1	
Pointing stability after warm-up (mrad)	<0.05	
Beam height from base plate (mm)	45	
Operating temperature (°C)	10~35	
Power supply (90-264VAC)	PSU-H-LED/PSU-H-FDA/PSU-H-OEM	
TTL / Analog modulation	TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz optional	
Expected lifetime (hours)	10000	
Warranty period	1 year	



MLL-F-532	PSU-H-LED	PSU-H-FDA	PSU-H-OEM
<p>214 (L) × 88 (W) × 74 (H) mm³, 1.6 kg</p>	<p>277 (L) × 145 (W) × 106 (H) mm³, 2.6 kg</p>	<p>275 (L) × 146 (W) × 104 (H) mm³, 2.4 kg</p>	<p>238 (L) × 146 (W) × 94 (H) mm³, 2.2 kg</p>