

LLL-3 532nm DPSS Green Laser



- *Compact*
- *High Photon Energy*
- *High Quantum Efficiency*
- *Long Lifetime*
- *Low Cost*
- *Easy Operation*

Lasers which emit light in the short wavelengths, are expensive and not sufficiently reliable for many applications. Fortunately, there is a more economic solution to generate short wavelength by frequency doubling. 532nm green laser is the most popular one.

They have applications in DNA sequencing, flow cytometry, cell sorting, instrumentation, spectrum analysis, interference, measurement, holography, laser printing, chip inspection, physics experiments etc.

Specifications

Wavelength	532 nm
Output power	40 mW
Transverse mode	TEM ₀₀
Longitude mode	Several
Operating mode	CW
Power stability	<5% rms, over 4 hours
Warm-up time	<15 minutes
M ² factor	<1.2
Beam divergence, full angle	<1.5 mrad
Beam diameter at the aperture	~2.0 mm
Beam height from base	24.8 mm
Spectral line width	<0.1 nm
Polarization ratio	>100:1 (0 or 90 degree)
Noise of amplitude	<1% rms
Coherent length	>1 m
Expected lifetime	10000hours
Net weight of laser head	0.645 kg
Dimensions of laser head	140.8(L)×73(W)×46.2(H) mm
Power supply	80-260VAC, 50/60Hz
Dimensions of Driver (LD-WL206)	135(L) ×130(W) ×61(H)

