

Single Frequency Laser/Single Longitudinal Mode Laser

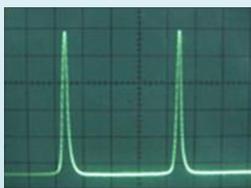
MSL series lasers with the characteristics of ultra compact, long lifetime, low cost and easy operating, which are used in DNA sequencing, flow cytometry, cell sorting, optical instrument, spectrum analysis, interference, measurement, holography, physics experiment, laser printing, chip inspection, physics experiment, optical frequency standards, gravitational wave detection, tests of fundamental physics, atomic clocks, high resolution spectrum, Laser Radar, precision measurement and other applications.



◆ Parameters

Wavelength	Output power	Power stability (rms, 4h)	Spectrum line width
360nm	1-50mW	<3%	<0.00001nm
457nm	1-2000mW	<1%	<0.00001nm
473nm	1-100mW	<1%	<0.00001nm
515nm	1-20mW	<1%	<0.00001nm
523.5nm	1-100mW	<1%	<0.00001nm
526.5nm	1-100mW	<1%	<0.00001nm
530nm	1-50mW	<1%	<0.00001nm
532nm	1-5000mW	<1%	<0.00001nm
556nm	1-100mW	<1%	<0.00001nm
561nm	1-80mW	<1%	<0.00001nm
577nm	1-300mW	<1%	<0.00001nm
589nm	1-500mW	<2%	<0.00001nm
639nm	1-300mW	<1%	<0.00004nm
656.5nm	1-50mW	<1%	<0.00001nm
660nm	1-20mW	<3%	<0.00001nm
671nm	1-2500mW	<1%	<0.00001nm
721nm	1-100mW	<3%	<0.00001nm
946nm	1-50mW	<1%	<0.00001nm
1030nm	1-20mW	<1%	<0.00001nm
1047nm	1-800mW	<1%	<0.00001nm
1053nm	1-200mW	<1%	<0.00001nm
1064nm	1-10000mW	<1%	<0.00001nm
1313nm	1-500mW	<1%	<0.00001nm
1319nm	1-50mW	<1%	<0.00001nm
1342nm	1-5000mW	<1%	<0.00001nm

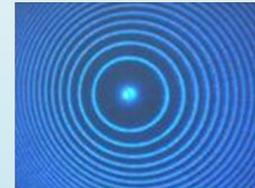
◆ Features of MSL series Laser



Longitudinal mode testing



Coherent fringes

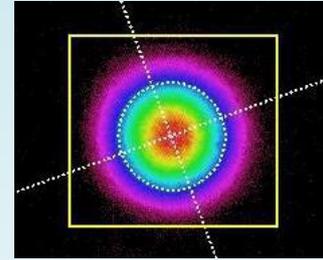


F-P etalon interference ring

◆ Features of MSL series Laser



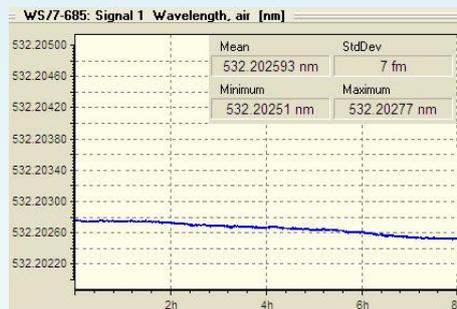
Long term output power stability



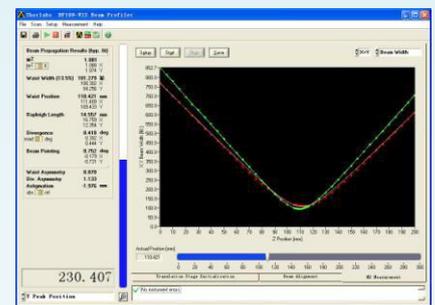
Beam profile (TEM00)



Modulation rate: Max>1MHz



Frequency shift with Temperature: <200MHz/°C



M² measurement <1.2

◆ Customized solutions

- Fiber coupling
- External AOM
- Isolator
- Mechanical shutter
- Line generator
- Frequency Stabilized SLM

Other customized design is also available on request



◆ Dimensions of fiber coupled laser head(mm):

