

SINGLE LONGITUDINAL MODE/SINGLE FREQUENCY LASER

MSL series 457/473/532/556/561/671/1064/1342nm



Description

All solid state single longitudinal mode blue laser at 457 nm is made features of ultra compact, long lifetime and easy operating, which is used in DNA sequencing, flow cytometry, cell sorting, optical instrument, spectrum analysis, interference, measurement, holography, physics experiment, etc.

Feature

Wavelength: 457/473/532/556/561/671/1064/1342nm

Operating longitudinal mode Several

Expected lifetime 10000 hours

Warranty period 1 year

Application

Scientific experiment

Holographic

Raman spectroscopy

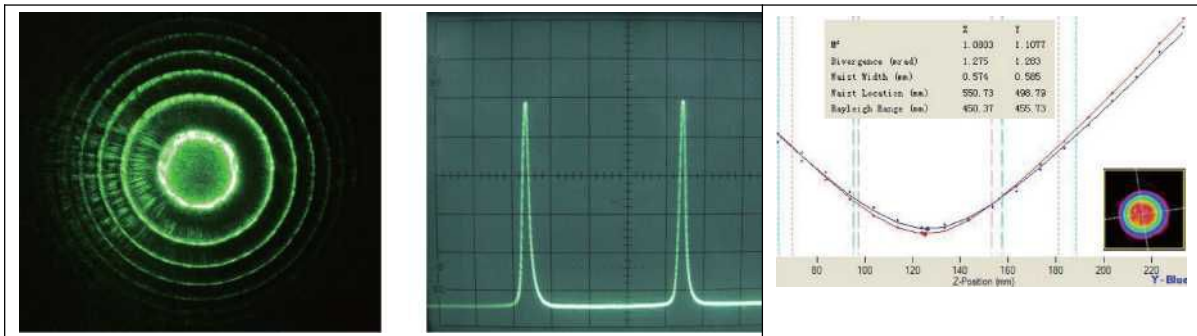
Spectrum analysis

Specification

Model number	MSL
Wavelengths	457 473 532 556 561 671 1064 1342
Max. Output power(mW)	300 100 5000 500 80 400 10000 200
Noise amplitude, rms, 20Hz-20MHz	<0.5%,
Spectral linewidth (nm)	<10 ⁻⁵
Power stability (rms)	<1%, <3%, <5%

M2	<1-2
Beam divergence (mrad)	<1.5
Beam diameter (mm)	~1.2
Transverse mode	TEM00
Pointing stability (mrad)	<0.05
Polarization ratio	>100:1
Operating temperature (°C)	10-35

Customized Options: Power tunability and display, TTL modulation, Analog modulation, Fiber coupling, RS-232 interface, Beam expander



F-P Etal on interface ring

Longitudinal mode scan

M square testing result