

# CW DPSS Infrared Laser

## MIL/MLL/MSL series

**914/946/1064/1047/1053/1122/1313/1319/1342/1444nm**



### Description

The output power of 914/946/1064/1047/1053/1122/1313/1319/1342/1444nm infrared laser systems ranges from 1 mW up to 20000mW. Laser system is TEC cooled and designed to be operated and maintained easily. Different power stabilities are available.

### Feature

Wavelength: 914/946/1064/1047/1053/1122/1313/1319/1342/1444nm

Operating longitudinal mode Several

Expected lifetime 10000 hours

Warranty period 1 year

### Application

Scientific experiment

Measurement

Spectrum analysis

Interferometer

Material processing

### Specification

Model Number	MIL/MLL/MSL series									
Wavelengths (nm)	914	946	1047	1053	1064	1122	1313	1319	1342	1444
MSL series SLM version max. power (mW)	/	/	/	/	10000	/	/	/	/	/
MLL series low nosier version max. power	800	800	1000	1500	20000	1000	1000	1500	6000	400

MIL series basic version	800	800	1000	1500	20000	1000	1000	1500	6000	400
max. power (mW)										
Power stability (rms)	<1%, <3%, <5%									
M2	<1.5									
Beam divergence (mrad)	<1.5									
Beam diameter at 1/e <sup>2</sup> (mm)	~1.5									
Noise amplitude, rms, 20Hz-20MHz	<0.5% for low noise and SLM version <1% for normal version									
Spectral linewidth (nm)	10 <sup>5</sup> for SLM version <0.3nm for low noise version									
Pointing stability (mrad)	<0.05									
Polarization ratio	>100:1									
Operating temperature (°C)	10-35									
<ul style="list-style-type: none"> <li>Customized Options: Power tunability and display, TTL modulation, Analog modulation, Fiber coupling, RS-232 interface, Beam expander</li> </ul>										