

CW Infrared laser

MDL/MLL series 808/830/852/915/940/980/1470/1550/1870/1900/1940/2200



Description

The output power of 808/830/852/915/940/980/1470/1550/1870/1900/1940/2200nm infrared laser systems ranges from 1mW up to 10000mW. Laser system is TEC cooled and designed to be operated and maintained easily.

Different power stabilities are available

Feature

Wavelength: 808/830/852/915/940/980/1470/1550/1870/1900/1940/2200nm

Operating longitudinal mode : Several

Expected lifetime: 10000 hours

Warranty period: 1 year

Application

Scientific experiment

Measurement

Spectrum analysis

Interferometry

Material processing

Specification

Model Number	MDL/MLL series												
Wavelengths (nm)	808	830	852	915	940	980	1470	1550	1870	1900	1940	2200	
MLL series low noise version max.	1000	2000	2000	1500	1500	8000	3500	350	800	800	800	450	

MDL series basic version max. power	1000	2000	2000	8000	8000	8000	3500	350	800	800	800	450
Power stability (rms)	<1%, <3%, <5%											
M2	<20											
Beam divergence (mrad)	<3.0											
Beam diameter at 1/e2 (mm)	~5x8						5~8					
Noise amplitude, rms, 20 Hz-20 MHz	<1% for low noise version											
	<0.8nm for low noise version											
Spectral linewidth (nm)	<1.0 nm for normal version											
Pointing stability (mrad)	<0.05											
Polarization ratio	>100:1											
Operating temperature (C)	10~35											
<ul style="list-style-type: none"> Customized Options: Power tunability and display, TTL modulation, Analog modulation, Fiber coupling RS-232interface, Beam expander 												