



CW-DPSS Laser MPB-Series

Emitting in the 473 nm blue region our MPB-Series Solid State Laser Systems provide CW output powers upto 20 mWatts. Modulated versions with a max. frequency of 10 KHz are available on request.

The systems are provided complete with matched power supply, since adjustments for control of temperature and drive current are critical to performance. Due to the nature of the basic laser line utilised, these lasers exhibit a little higher noise as for the green emitting systems of the same setup. The 20 mW version is available on special order only.

Laser	MPB-A-3	MPB-A-5	MPB-A-10	MPB-A-15	MPB-B-3	MPB-B-5	MPB-B-10	MPB-B-15
Wavelength	473 nm							
Output power	3 mW	5 mW	10 mW	15 mW	3 mW	5 mW	10 mW	15 mW
Operating mode	CW							
Transversal mode structure	TEM00							
Spektral composition	multi mode							
Beam diameter	< 1.2 mm							
Divergence	< 1.0 mRad							
Pointing stability	0.2 mRad/ hr.							
Polarisation	>100 : 1							
Power stability	< 5%/ hr.				< 10%/ hr.			
Noise	30 %							
Modulation (option)	up to 10 KHz							
Warm up time	<15 min.							
Operating temperature	+ 15° - + 35° C							
Warranted lifetime	>3000 hrs.							
Average lifetime	>5000 hrs.							
Laser head dimensions	156 (180.8) × 73 × 46.2 mm							
Power supply dimensions	206 x 137 x 75 mm							
Mains supply	220 VAC, 110 VAC							
Power consumption	50 VA							

