



CW-DPSS Laser LM-Series

The LM-Series provides a range of output power from 0.6 - 10 mWatt as a very cost effective solution to the majority of applications where highest stability of parameters is not too critical. The systems do not exhibit TEC cooling and can be provided in DC versions 3 or 5 VDC or with powersupply for a 90 - 264 VAC input.

LMR-01/ LMR-10

A tubular housing of 19 mm in diameter make these units very easily adaptable in optical setups. They provide output powers from 0.6 - 10 mW.

LMS-01/ LMS-10

These systems are rated with a 3 - 10 mW output power and exhibit a rectangular case black or clear anodized.

Laser	LMR-1	LMR-3	LMR-5	LMR-10	LMS-1	LMS-3	LMS-5	LMS-10
Wavelength	532 nm							
Output power	1 mW	3 mW	5 mW	10 mW	1 mW	3 mW	5 mW	10 mW
Operating mode	CW							
Transversal mode structure	TEM00							
Spektral composition	multi mode							
Beam diameter	1.2 - 2 mm							
Divergence	< 1.2 - 2.2 mRad							
Pointing stability	2 mRad/ hr.							
Polarisation	> 50 : 1							
Power stability	30 %/ hr.							
Warm up time	<10 min.							
Operating temperature	+ 20° - + 30° C							
Warranted lifetime	>2000 hrs.							
Average lifetime	>4000 hrs.							
Laser head dimensions	19 mm Ø x 75 mm				21 x 21 x 52 mm			
Operating current	< 600 mA							
Input voltage	5 VDC							
Power supply dimensions	90 x 47 x 35 mm (15 x 35 x 12 mm)							
Mains supply	220 VAC, 110 VAC, (5VDC)							
Power consumption	30 VA (20 VA)							

