



CW-DPSS Laser LV-Series

The LV-Series are intra cavity frequency doupled DPSS lasers, thus providing excellent long-term low noise parameters. The actively cooled compact package provides output powers at 20, 50 or 100 mWatts, as a very cost effective solution for scientific and industrial applications. The system powersupply is designed for an AC input voltage from 90 - 264 Volts.

Laser	LV-20	LV-50	LV-100
Wavelength	532 nm		
Output power	20 mW	50 mW	100 mW
Operating mode	CW		
Transversal mode structure	TEM00		
Spektral composition	several modes		
Beam diameter	< 0.25 mm		
Divergence	< 1.5 mRad		
Pointing stability	< 0.2 mRad/ hr.		
Polarisation	> 100 : 1		
Power stability	< 6%/ 4 hrs.		
Noise (1 MHz)	< 3 % rms		
Beam quality M ²	< 1.2		
Warm up time	< 3 min.		
Operating temperature	+ 15° - + 35° C		
Warranted lifetime	> 2500 hrs.		
Average lifetime	> 5000 hrs.		
Laser head dimensions	118 × 42 × 55 mm		
Power supply dimensions	206 × 137 × 75 mm		
Mains supply	90- 240 VAC		
Power consumption	20 VA		