



DPSS Laser GLM-LN- Series

This Series is especially designed for low noise laser emission at output powers off 30, 50, 80 or 100 mWatt. The excellent beam characteristics are suitable even for most demanding requirements for noise behaviour and beam stability.

With a < 1% rms noise figure and superior power stability these systems provide a spacial coherence length of more than 5m, properties especially asked for in holograpy and interferometry.

But also other OEM-applications requiring best performance beam parameters can be satisfied with this series.

Laser	GLM-LN-30	GLM-LN-50	GLM-LN-80	GLM-LN-100
Wavelength	532 nm			
Output power	30 mW	50 mW	80 mW	100 mW
Operating mode	CW			
Transversal mode structure	TEM00			
Spektral composition	several modes			
Beam diameter	< 1.2 mm			
Divergence	< 1.0 mRad			
Pointing stability	< 0.1 mRad/ hr.			
Polarisation	>100 : 1			
Power stability	< 5%/ 4 hrs.			
Noise (10 Hz - 20 MHz)	< 1 % rms			
Coherence lenth	> 5 m			
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 (100 x 62 x 65 mm)			
Mains supply	220 VAC, 110 VAC, (12VDC, 5VDC)			
Power consumption	50 VA			

To guarantee best performance parameters, the systems are provided with factory preadjusted power supply,

