



Pulsed-DPSS Laser LPIR-P-Series

Of our systems in a Q-switched version lasing in the IR spectrum at 1064nm, these systems are comparable to the according CW version in physical features and dimensions, equipped with a baseplate for easy adaptation to the optical setup. An average output power of 50 mWatts with a pulse repetition rate up to 100 KHz at a pulse width of < 30 ns provide peak powers of more than 15 Watts. The lasers are provided with factory calibrated powersupply.

Laser	LPIR-P-02-50
Wavelength	1064 nm
Average output power	50 mW
Peak Power	17 W
Pulse width	< 35 ns
Operating mode	Q-switched
Transversal mode structure	TEM00
M ²	< 1.5
Beam diameter	< 1 mm
Divergence	< 4 mRad
Pointing stability	20 mRad/ hr.
Polarisation	100 : 1
Power stability	< 20%/ p-p
Repetition rate	100 KHz
Operating temperature	+ 20° - + 35° C
Warranted lifetime	>3000 hrs.
Average lifetime	>5000 hrs.
Laser head dimensions	40 × 62 × 26 mm
Power supply dimensions	206 x 137 x 75 mm
Mains supply	100/ 240 VAC
Power consumption	55 VA

