



DPSS lasers

The Lasers of the DPSSL series - high efficient and reliable Nd:YAG diode pumped AO Q-switched lasers.

The Lasers of the DPSSL series are easily integrated into customer equipment.

The Lasers of the DPSSL series provide the ideal systems which takes the advantage of the output parameters in various applications such as precise technology, ablation, etc.

Features

- active Q-Switched 5 – 10 kHz operation
- ruggedness
- closed loop cooling system
- sealed laser head
- long life diode bars
- compact and efficient design
- maintenance free

Applications

- marking
- drilling
- cutting
- micro-welding
- scribing
- polishing



DPSS lasers



Модель	DPSSL-50-1064	DPSSL-20-1064	DPSSL-16-532
Wavelength	1064 nm	1064 nm	532 nm
Mode of operation	cw / pulse		pulse
Repetition rate	10 kHz	10 kHz	10 kHz
Average Power (cw)	45 W	20 W	–
Average Power at 10 kHz	40 W	18 W	16 W
Spatial mode	Multimode	TEM ₀₀	TEM ₀₀
Beam diameter	3.0 mm	1.0 mm	1.0 mm
Pulse duration	< 80 ns		
Stability (RMS)	< 3%	< 2%	< 3%
Polarization	random		linear
Electrical Power	220 V±10%, single phase, 50/60Hz, < 1 kW		
Environment	20 – 30 °C		
Dimensions	186 x 113 x 810 mm	330 x 113 x 710 mm	

Laser System Includes

- Laser head
- Laser Driver
- Chiller

OPTOSYSTEMS LTD. develops and produces DPSS lasers for special applications and scientific investigations according to customer technical specifications.