

Preliminary

PL11M

SERIES

HIGH REPETITION RATE Diode Pumped Picosecond Laser

FEATURES

- High up to 1 MHz repetition rate
- Short pulse duration ~10 ps
- High stability and excellent beam quality $M^2 < 1.5$
- Reliable hands-free operation
- Compact and simple design
- PC control and remote control keypad
- Low maintenance costs
- Single-phase powering
- No external cooling water

SPECIFICATIONS

MODEL	PL11M	PL51M
Wavelength ¹⁾	1064 nm	
Repetition rate	1 MHz	
Average output power	> 0.8 W (typical ≈ 1 W)	4.5 W
Pulse duration	< 10 ps	
Pulse energy stability	better than 2% St. dev.	
Mode	TEM ₀₀	
Beam quality	$M^2 < 1.5$	
Timing jitter in respect to external triggering ²⁾	< 10 ns	
Sync out pulse jitter	< 0.5 ns	
Laser head (W×H×L)	250×190×790 mm	

¹⁾ 532 nm, 355 nm and 266 nm options on request.

²⁾ External synchronisation with TTL pulses is available.

APPLICATIONS

- Patterning
- Structuring
- Ablation
- Micromachining
- Spectroscopy
- Inspection
- Your applications welcome...