

Microchip

Picosecond - Nanosecond
Pulsed Laser



Features

Down to 400 ps

1064, 532, 355, 266 nm

946, 473, 236.5 nm

Up to 60kW peak power

Up to 100 kHz

Up to 100uJ

$M^2 < 1.3$

SLM

Applications

Oled

Micromachining

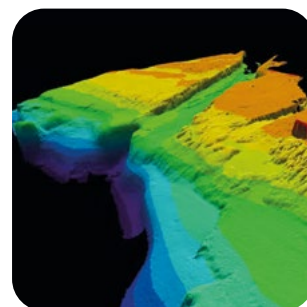
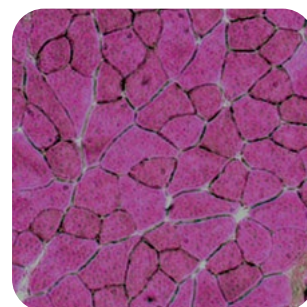
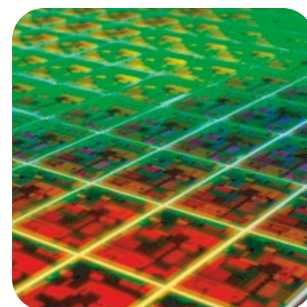
Biophotonics

Lidar, Telemetry

Laser manufacturing

Non-linear optics, Spectroscopy, Raman

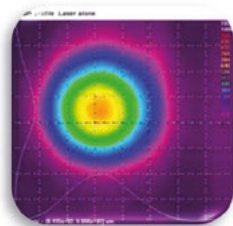
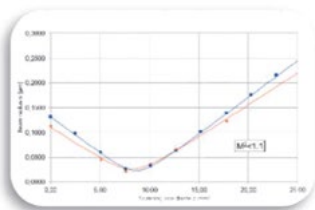
Holography



Microchip Lasers

Microchip models

	Nanoseconds		Picoseconds
Pulsewidth ranges	< 2 ns	< 1.5 ns	< 400 ps
Pulse energy	up to 35 μ J	up to 100 μ J	up to 2 μ J
Repetition rate	up to 10 kHz (internal and external triggered)	up to 15 kHz (internal and external triggered)	up to 100 kHz (internal and external triggered)
Peak power	up to 20 kW	up to 60 kW	up to 5 kW
Package	SB1		
Output wavelengths	946, 473, 236.5 nm	1064, 532, 355, 266 nm	
Beam Quality (M)	< 1.3		
Size	54 x 65 x 28 mm ³		
Weight	< 200 g		
Electrical requirements	12 V DC		
Operating temperature	+10° to +40° C		



OPTIONS AVAILABLE :

- Monitoring photodiode
- Beam Expanding and Collimating optics
- Development kit
- Heat-Sink
- Quick start kit
- Custom packaging

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