



## SNP-70F-100 Microchip Series

### Key features

- ▶ Repetition rate up to 100kHz
- ▶ Ultrashort pulses down to 500ps
- ▶ Single Longitudinal Mode
- ▶ Excellent beam quality – TEM00,  $M^2 < 1.1$
- ▶ Efficient, air-cooled
- ▶ Sealed package, extremely long life



For generating high peak power IR pulses of a few hundred picoseconds, microchip lasers are economical, compact, and extremely reliable. Sub-nanosecond 1064nm pulses are indeed directly generated from the diode pumped passively Q-switched Nd:YAG microchip engine.

The new SNP-70F-100 series available in Beta version are designed to increase the throughput in your application with higher repetition rate keeping an ultra short pulse duration for an excellent process quality.

	SNP-70F-100 specifications	Extended range
Repetition rate	>70kHz	Up to 100kHz
Pulse duration	500ps	<700ps
Average power	>100mW	>100mW
Wavelength	1064nm	1064nm-532nm upon request
Package	SNPII	SNPII

### Applications

- ▶ Material processing
- ▶ Instrumentation
- ▶ Biophotonics