



## Picosecond Fiber Amplified Microchip PicoMega Series

### Key features

- ▶ Repetition rate up to 1Mz
- ▶ Ultrashort pulses below 200ps
- ▶ Average power up to 1W
- ▶ Excellent beam quality – TEM00,  $M^2 < 1.1$
- ▶ Efficient, air-cooled, very compact



Using the same platform as the PicoOne, the PicoMega Series brings passive Q-switching to a new realm. It generates ultra short pulses, with less than 200ps of duration at repetition rates reaching 1 MHz. From Lidar to high throughput processing in applications where ultra short pulse width is a “must”, the PicoMega laser has a low cost of ownership compared to more complex picosecond lasers. It can be used as a seeder in applications where still higher power is needed.

	ANP-500F-100 specifications	Extended range
Repetition rate	500kHz	200-1000kHz
Pulse duration	<200ps	<200ps
Average power	>500mW	Up to 1W
Energy	>0,5μJ	Up to 30μJ
Wavelength	1064nm	1064nm 532nm upon request
Package	ANP-II	ANP-II

### Applications

- ▶ Material processing
- ▶ Seeder for high power amplification
- ▶ Instrumentation and Lidar