

For Immediate Release

## **NP Photonics to Introduce Amplifier Gain Block High Power, Short Length Fiber Amplifier Module for the 1 $\mu$ m band**

**TUCSON, Ariz., January 21, 2019** – NP Photonics, Inc., a leading manufacturer of fiber lasers, fiber amplifiers and specialty optical fiber, today announced that it will introduce a High Power, Short Length Fiber Amplifier Module for 1 $\mu$ m band called the “Amplifier Gain Block” at Photonics West 2019 from February 2-6, in San Francisco, CA. “The Amplifier Gain Block is designed for OEM system integrators and researchers, and it offers high power, high energy, polarization-maintaining, all-fiber amplifiers in a module format delivering up to 100W of average power and >500kW of peak power capability at the 1 $\mu$ m band (1.5 $\mu$ m band available),” said Nasser Peyghambarian, CEO of NP Photonics. Featuring gain fiber lengths specified in centimeters and a Large Mode Area, it is a highly cost-effective approach to scale average power and pulse energy without limits from nonlinearities and is suitable for a wide variety of applications including coherent beam combining, short pulse (< 1 ns) industrial machining, and pulsed single frequency LIDARs.

The Amplifier Gain Block utilizes centimeters of NP proprietary High Gain, Polarization-Maintaining (PM), Yb doped Phosphate fibers. The gain fibers are terminated with a proprietary phosphate glass end-cap, and specialty-spliced to standard PM or PM LMA silica fiber of your choice. Therefore, these products are very easy to configure and use. Just splice the output of your pump/signal combiner to the Amplifier Gain Block module input using a standard fusion splicer, and point the free-space output to your downstream application. The fiber length, mode-field diameter and other parameters can be optimized for high average and peak power. Some of the other options that are available are collimated/diverging output choice and non-PM fiber. The amplifier modules are offered in standard and hermetically-sealed package formats, with custom package sizes available upon request.

The Photonics West exhibition will be held at the Moscone Center in San Francisco, CA. Attendees can visit NP Photonics, Inc. at booth #138.

### **About NP Photonics, Inc.**

Founded in 1998, NP Photonics, Inc. is a leading manufacturer of fiber lasers, fiber amplifiers and specialty fiber for the sensing, defense, metrology and research markets. The NP Photonics proprietary fiber technology is used across a broad family of products, including narrow line-width, low phase-noise fiber lasers at 1 micron, 1.5 micron and 2 microns; compact, high-gain, pencil fiber amplifiers in the C-band; broadly transparent, ultra-low-loss, mid-IR transport (0.4 to 5 microns) fibers and supercontinuum sources.

NP Photonics continues to grow through technology innovation and strategic partnerships. For more information about NP Photonics, please visit [www.npphotonics.com](http://www.npphotonics.com).

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