

For Immediate Release
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Tucson, AZ

Press Release

NP Photonics Expands Product Family with New Low-Cost, Ultra-Compact, High-Power Optical Amplifier Modules

High-Gain, Low-Noise Modules Ideal for In-line Metro and Access Applications

NP Photonics (Tucson, AZ), a manufacturer of miniaturized optical-fiber-based components for long-haul, metro and access networks, has expanded its product line with the introduction of the Scorpio Amplet MMP-HP7020, a low-cost, ultra-compact, high-power optical amplifier module.

Particularly useful for offsetting signal loss created by DWDM and optical conditioning devices, this high-gain, low-noise amplifier module features 16 dBm of total output power and provides up to 20 dB of gain across the C-Band while generating less than 5.5 dB of noise. The Scorpio is completely controllable and comes with embedded monitoring electronics and a mid stage access option. In addition, the new Scorpio features a small-form-factor, MSA-compliant footprint (90 x 70 x 12 mm), and complies with Telcordia GR-1312.

“Our new Scorpio amplifier offers a compelling combination of size, performance and price,” said Chuck Chandler, NP Photonics’ CEO. “In essence, the new Scorpio provides system and subsystem designers with an easy-to integrate device that lowers the cost and increases the density of DWDM equipment.”

NP Photonics can also customize the new Scorpio into a dual-port device with the same small footprint. The dual ports provide systems designers with a hot spare option, or can give them the ability to run two fibers with separate signals through the same compact device, further reducing the size of systems and subsystems.

The introduction of the Scorpio Amplet MMP-HP7020 follows closely on the heels of NP Photonics’ introduction of the world’s first miniaturized optical-fiber-based amplifier products for long-haul, metro and access markets. These products include pumped gain blocks and single-stage amplifiers. The company also has recently acquired the Compliant MEMS (CMEMS) technology of Solus Micro Technologies and now offers a family of tunable filters.

As with all of NP Photonics’ amplifier products, the Scorpio Amplet MMP-HP7020 is based on the company’s proprietary Erbium Micro Fiber (EMF) technology in which erbium-doped glass produces high optical gain over just a few centimeters of fiber, rather than over many meters, as with traditional erbium-doped fiber amplifiers (EDFAs). The

result is a family of components similar in performance to conventional EDFAs, but smaller, easier to integrate and far more cost effective.

NP Photonics will feature its current family of fiber amplifiers and tunable filters at ECOC stand #510, September 8-12, 2002, in Copenhagen, Denmark. The company will also show its amplifiers, tunable filters and fiber lasers at NFOEC booth #1501, September 15-19, 2002, in Dallas, Texas.

Founded in 1998, NP Photonics is the originator of the Erbium Micro Fiber Amplifier (EMFA) technology and is dedicated to the design manufacture and marketing of intelligent, low cost, compact fiber amplifiers and fiber amplifier arrays. The company is developing a wide family of products based on its EMFA technology platform.

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