

For Immediate Release
January 30, 2003
Tucson, AZ

Press Release

NP Photonics' Compact Fiber Laser Reaches 100 mW Output Power

Fiber Laser's Power, Linewidth and Noise Specifications are Best in its Class

NP Photonics (Tucson, AZ), a leading supplier of optical components and modules for the sensing and telecommunications markets, announced today that its Scorpio SMPF-2030 Erbium Micro Fiber (EMF) laser module now produces 100 mW of power. The output power is the highest of any laser in its class and adds to the laser's already industry-leading specifications in linewidth and relative intensity noise.

The Scorpio SMPF-2030 operates in the C-band from 1530- to 1560-nm and is narrowly tunable. Linewidth is <3kHz and relative intensity noise is <-140 dB/Hz at 2 MHz. The high output power, low noise and narrow linewidth position the Scorpio as an ideal product for fiberoptic sensing applications where extreme accuracy and high resolution are vital, such as remote sensing, spectroscopy, LIDAR and a range of other test and measurement applications.

"This new benchmark reflects NP Photonics' commitment to satisfying customer and market demands by continually refining our products," said Chuck Chandler, CEO of NP Photonics. "We want our fiber laser modules to be the light source of choice for fiberoptic-based sensing equipment so we listen closely to what system designers have to say. They were looking for higher power and better resolution at a reasonable price and we responded."

By incorporating its unique high-gain Erbium Micro Fiber (EMF) technology, NP Photonics was able to achieve 100 mW of output power without an external booster amplifier. This simplifies integration for the design engineer and enables NP Photonics to offer the Scorpio at a lower price than competing technologies on the market today.

The Scorpio SMPF-2030 also features long coherence length (>50 km), high mode stability (± 30 MHz/hour) and very low phase noise. The device is completely integrated with a highly reliable, Telcordia qualified pump laser and control electronics built into a compact package that measures just 168 mm x 70 mm x 19 mm.

Founded in 1998, NP Photonics is the originator of Erbium Micro Fiber (EMF) technology and is dedicated to the design, manufacture and marketing of compact, low-cost, intelligent fiber-based products for the sensing and telecommunications industries. The company has developed a broad family of products based on its EMF and Compliant MEMS technology, including tunable filters, Optical Spectrum Analyzer Engines, fiber lasers, ASE Sources and fiber amplifiers.

-more-

For additional information contact:

Daryl Eigen
SVP of Sales and Marketing
NP Photonics
daryl@npphotonics.com
Tel. 520 799 7486
Fax 520 799 7403
www.npphotonics.com

-or-

Richard Mauser
Tate Associates, Inc.
Tel. 760 930 0984
Fax 760 930 6584
richard@tatemail.com

#