



Breaking the Quantum Barriers

**For Immediate Release**

## **Orbits Lightwave Offers the *ETHERNAL MICRON™* Fiber Laser at 1060 nm with 200mW Output Power**

**Recent advances in fiber design enable the *Eternal Micron* with 250 mW (CW) output at 1060 nm**

Pasadena, Calif., May 1, 2006 – Orbits Lightwave, Inc., an innovative supplier of ultra-stable, low noise fiber lasers today announced the addition of a 1060 nm model to its growing line of *ETHERNAL™* fiber lasers. Building on the current family of products, the new *Eternal Micron™* series fiber laser offers up to 250 mW at 1060 nm without sacrificing the low noise, narrow linewidth and ultra-stable performance that characterizes the *Eternal* series.

*ETHERNAL™* fiber lasers from Orbits Lightwave operate in the eye-safe telecommunications C-band wavelength range (1530-1656nm). The new *ETHERNAL MICRON™* laser is the first in a series to be available between 1030-1060nm. Based on a novel and patented "virtual ring" laser architecture, *ETHERNAL™* fiber lasers offer state of the art S/N and side-mode suppression, shot-noise limited RIN, narrow (<1kHz) line-width, with excellent frequency stability.

"The *ETHERNAL MICRON™* series fiber laser offers an attractive alternative to costly and bulky solid-state lasers in the 1060 nm region," said Dr. Yaakov Shevy, Orbits Lightwave co-Founder and President. "The *ETHERNAL MICRON™* is the first release of a 1060 nm product in the *Eternal* family and represents a milestone achievement in our SBIR Phase II program work for the NASA LISA Space interferometer."

### **About Orbits Lightwave:**

Founded in 1999 and privately held, Orbits Lightwave, Inc. of Pasadena, California, designs, manufactures, and markets Fiber Lasers for sensing, LIDAR, test, and coherent communications. Orbits Lightwave *ETHERNAL™* products benefit the researcher and system designer alike by providing unprecedented levels of laser performance for sensing, interferometry microwave photonics and other highly sensitive coherent laser applications.

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Press Release