

---

## Calmar Laser, Inc. Introduces a High Power Coronado Fiber Amplifier for Picosecond Pulses

**Sunnyvale, CA, March 1, 2010**--Calmar Laser Inc., a leading developer and manufacturer of ultrafast fiber lasers, has introduced a high gain version (AMP-LD-37) of its successful Coronado family of low dispersion fiber amplifiers.

The model AMP-LD-37 is a low dispersion, short pulse fiber amplification system that has been optimized for picosecond (> 1 ps) pulses with an input power range of -5 to 5 dBm. The compact, bench top system provides stable saturated gain with average output powers up to 37 dBm (>5 W) and a noise floor of less than 6 dB for picosecond pulse trains at GHz repetition rates. It is offered as 1550 nm (C band) and 1064 nm versions in both polarization-maintaining (PM) and non-PM fiber configurations. The polarization maintaining (AMP-PM) option ensures the amplified output is linearly polarized and eliminates undesirable polarization effects.

The amplifier utilizes dispersion compensating fibers and is designed for minimal chromatic dispersion and negligible nonlinearities, which are caused by self phase modulation effects induced by the high optical peak powers within the fiber. The output pulse width and optical spectral bandwidth retains the original features of the input pulse with essentially no distortion and exceptional stability.

Consistent with the design concept of the Coronado family, the AMP-LD-37 offers customers a simple "plug and play" capability that is easily integrated into an experimental set up. It provides turnkey reliable performance and a convenient approach to amplify short optical pulses with no undesirable dispersive or nonlinear effects for a wide range of applications from basic laser research to telecommunications. In particular, this low dispersion amplifier presents end users with the ability to study long span optical fiber communication networks.

### **About Calmar Laser**

Calmar Laser manufactures innovative fiber laser and fiber amplifier solutions for OEM, industrial, medical and scientific applications. Since 1996 Calmar has been a key supplier and reliable OEM partner to customers for advanced high-speed test and measurement applications, optical communications, component characterization, material diagnosis, transmission, biomedicine and micromachining. Today, Calmar is an industry leader in supplying robust, compact, ultrafast fiber lasers designed for simple hands-off reliable operation. For more information about Calmar Laser, visit the Company's Web site at <http://www.calmarlaser.com/> for product updates.

### **Company Contact:**

Dr. Peter Hu, Director of Sales and Marketing  
Email: [peter.h@calmarlaser.com](mailto:peter.h@calmarlaser.com)  
Tel: +1 408.733.7800