



Press Release

## **3S PHOTONICS Introduces a 750mW 980nm Pump Laser Module for Terrestrial Applications**

**3S PHOTONICS, the expert in ultra-high reliable 980nm pump lasers for submarine and terrestrial applications introduces a new ultra-high power cooled pump laser module for next-generation EDFAs and fiber laser systems**

Nozay - September 22, 2008 - 3S PHOTONICS, a world leading manufacturer of laser chips, optical discrete modules and components for telecommunication networks, today announced the launch of the most powerful pump module available on the market.

Recognized industry-leader in the submarine pump laser modules' market, 3S PHOTONICS leverages its technological expertise and releases an enhanced version of its most powerful 980nm pump modules series for terrestrial applications, called the 1999 CHP series, which, by delivering a 750mW "kink-free" output power, will form the cornerstone for next-generation Erbium-Doped Fiber Amplifiers (EDFAs). *"This new 980nm terrestrial pump is obviously powered by our in-house chip technology that has been fully qualified for submarine applications, ensuring an unparalleled level of performance and reliability"* explained Yannick Bailly, Vice President of marketing for 3S PHOTONICS.

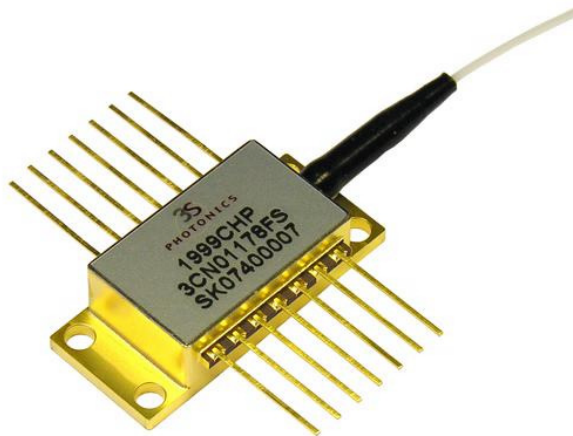
**3S PHOTONICS announces general availability of its 750mW "Kink-Free" fiber-coupled output power, FBG Stabilized, High PER 1999 CHP 980nm Pump Laser Module with both PMF and SMF pigtails**

This new Ultra-High Output Power Pump is the latest in the 1999 CHP pump module portfolio and incorporates the famous 3S PHOTONICS 1999 LCv2 laser chip designed and produced internally, and fully qualified for submarine applications, thus exceeding Telcordia recommendations.

Key features of the product include:

- A maximum operating drive current of 1050mA for a 680mW operation power
- Low profile hermetically sealed 14-pin butterfly package with Polarization Maintaining Fiber (PMF) or standard Single Mode Fiber (SMF) pigtail
- Fiber Bragg Grating (FBG) stabilization
- Multiple wavelength availability
- Integrated Thermo-Electric Cooler (TEC), precision NTC thermistor, and back-facet monitor photodiode
- Up to 750mW kink-free fiber-coupled output power from -5°C to +75°C
- High Polarization Extinction Ratio (PER)
- Fully qualified in accordance with Telcordia GR-468-CORE specifications
- Field proven high reliability

Applications include: Low noise Erbium Doped Fiber Amplifiers (EDFAs), next-generation Dense Wavelength Division Multiplexing (DWDM) EDFAs, CATV applications and fiber laser systems



**Products samples are available now.**

**3S PHOTONICS will be exhibiting at ECOC 2008, Brussels Expo Center, Belgium  
Visit us on our booth #411**

#### **About 3S PHOTONICS**

3S PHOTONICS – formerly Alcatel Optronics – is a leading supplier of optical discrete modules for telecommunication networks. It designs, develops, manufactures and commercializes active components powered by in-house III-V optoelectronic chips based on both Gallium Arsenide (GaAs) and Indium Phosphide (InP) technologies and passive components using Fiber Bragg Gratings (FBG).

The 3S PHOTONICS renowned optoelectronic chip manufacturing plant of Nozay is a technological feat that is unique in the world as it brings together GaAs and InP technologies under the same roof.

Its product portfolio includes four product lines:

- \* Chips (lasers and detectors) and Front End Services
- \* Transmission Laser and Detector Modules
- \* Pump Laser Modules for terrestrial and submarine applications
- \* Filters, gain equalizers and pump stabilizers based on Fiber Bragg Gratings for terrestrial and submarine applications

With over 14 years of experience, the company takes advantage of its expertise and know-how to also address new markets, providing smart solutions for defense, industrial and medical applications.

Based in Nozay (Essonne near Paris), 3S PHOTONICS is run by Alexandre Krivine and Didier Sauvage. The company employs over 160 people, whose 130 are experts in photonics industry.

[www.3Sphotonics.com](http://www.3Sphotonics.com)

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