



Press release
Paris, January 22nd 2009

Optoelectronics: 3S PHOTONICS extends its activities outside telecoms

3S PHOTONICS introduces its first 1064nm pump laser module
for industrial applications

The French leading manufacturer of laser chips, optical discrete modules and components for telecommunication networks today announced the launch of its first product for non-telecom applications. This technology, developed to be the heart of next-generation fiber lasers, can be notably used for micro-machining applications as well as in the microelectronics, medical and military areas.

The introduction of this new product outlines 3S PHOTONICS' ambitions and willingness to tap the emerging fiber laser market. By positioning on single-mode modules, the company intends to meet niche markets, which are high demanding in terms of performance and reliability.

Specifically designed for non-telecom applications, this new technology turns out to be a next step in 3S PHOTONICS' strategy. The company confirms its market diversification, coming in addition to its core activity – components for submarine and D-WDM telecommunication networks.

“When purchasing Avanex' French subsidiary in April 2007 - renamed 3S PHOTONICS from that time, we planned a three step development. The first stage was to recover the balance through the optimization of the existing product portfolio, made up of modules for the telecommunication market. The second phase consisted in entering new market segments of the telecoms such as terrestrial pumps. After managing to complete the first two steps, we do want today to penetrate new markets. The 1064 CHP precisely shows our will to diversify” comments Alexandre Krivine, Chairman and CEO of 3S PHOTONICS.

With the launch of its new 1064nm single-mode pump laser module, the “1064 CHP”, 3S PHOTONICS has leveraged and broadened its technological expertise to design a new generation of powerful seed laser modules for fiber lasers deployed in industrial systems.

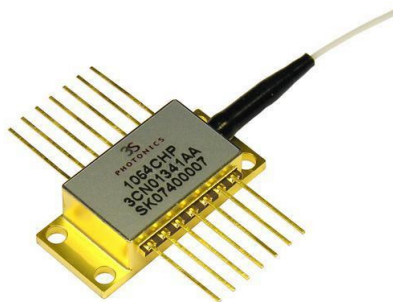
With best-in-class operating power and unparalleled reliability records, the 3S PHOTONICS 1064 CHP module has been qualified by many customers for materials processing applications of fiber lasers.

Key features of the product include:

- Output power up to 400mW at 850mA and peak power up to 1W.
- Low profile hermetically sealed 14-pin butterfly package with Polarization Maintaining Fiber (PMF) pigtail
- Integrated Thermo-Electric Cooler (TEC), thermistor and back-facet monitor photodiode
- Operating temperature range: -5°C to +75°C
- Operating wavelength: 1050-1070nm
- Mean Time To Failure (MTTF): up to 100 000 hours.

2 options are also available for the 1064 CHP:

- “FBG-stabilized” version: with a Fiber Bragg Grating (FBG) for wavelength stabilization
- “High PER” version: with a Polarization Extinction Ratio (PER) exceeding 20dB



Products available now.
Custom wavelengths available upon request.

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

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